

**STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION**

**SIGNING PLAN
DURHAM COUNTY**

LOCATION: I-85 - FROM THE ORANGE COUNTY LINE TO US 15/US 501

<small>TIP NO.</small> I-5941	<small>SHEET NO.</small> SIGN-1
<small>APPROVED:</small> <small>11/07/2023</small>	
<small>DATE:</small>	
<small>SEAL</small> 	
<small>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</small>	

T.I.P.: I-5941

ROADWAY STANDARD DRAWING

THE FOLLOWING ROADWAY STANDARDS AS APPEAR IN "ROADWAY STANDARD DRAWINGS" - PROJECT SERVICES UNIT - N.C. DEPARTMENT OF TRANSPORTATION - RALEIGH, N.C., DATED JANUARY 2024 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

<u>STD. NO.</u>	<u>TITLE</u>
901.10	TYPE 'A' SIGNS
901.20	TYPE 'B' SIGNS
901.50	ARROWS AND SHIELDS
901.70	SIGN STRINGERS AND SUPPORT SPACING
901.80	SIGN MOUNTING DETAILS - FOR TYPE A AND TYPE B SIGNS
903.10	GROUND MOUNTED SIGN SUPPORTS
904.10	ORIENTATION OF GROUND MOUNTED SIGNS
904.20	SECONDARY SIGN MOUNTING
904.30	SUPPLEMENTAL SIGN MOUNTING
904.50	MOUNTING OF TYPE 'D', 'E' AND 'F' SIGNS ON 'U' CHANNEL POSTS

PROJECT NOTES

- 1 DISPOSAL OF SIGN, A OR B (OVERHEAD)
- 2 SIGN ERECTION, TYPE A (OVERHEAD)
- 3 SIGN ERECTION, TYPE B (OVERHEAD)
- 4 DISPOSAL OF WALKWAY
- 5 DISPOSAL OF SIGN SYSTEM, A OR B (GROUND MOUNTED)
- 6 SIGN ERECTION, TYPE A (GROUND MOUNTED)
- 7 SIGN ERECTION, TYPE B (GROUND MOUNTED)
- 8 DISPOSAL OF SIGN SYSTEM, U-CHANNEL

SUMMARY OF QUANTITIES

ITEM NO.	ITEM DESCRIPTION		QUANTITY	UNIT
DESC. NO.	SECT. NO.			
4109000000	904	SIGN ERECTION, TYPE A (OVERHEAD)	8	EA.
4109000000	904	SIGN ERECTION, TYPE B (OVERHEAD)	6	EA.
4110000000	904	SIGN ERECTION, TYPE A (GROUND MOUNTED)	8	EA.
4110000000	904	SIGN ERECTION, TYPE B (GROUND MOUNTED)	3	EA.
4102000000	904	SIGN ERECTION, TYPE E	19	EA.
4108000000	904	SIGN ERECTION, TYPE F	2	EA.
4234000000	907	DISPOSAL OF SIGN, A OR B (OVERHEAD)	14	EA.
4236000000	907	DISPOSAL OF SIGN, A OR B (GROUND MOUNTED)	10	EA.
4263000000	907	DISPOSAL OF WALKWAY	5	EA.
4048000000	902	REINFORCED CONCRETE SIGN FOUNDATION	2	C.Y.
4054000000	907	PLAIN CONCRETE SIGN FOUNDATION	2	C.Y.
4060000000	903	SUPPORTS, BREAKAWAY STEEL BEAM	3439	LB.
4155000000	907	DISPOSAL OF SIGN SYSTEM, U-CHANNEL	24	EA.

GENERAL NOTES

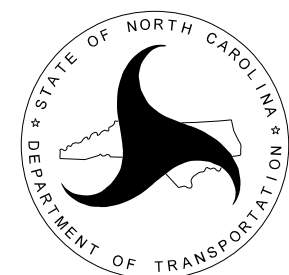
- SIGNS FURNISHED BY STATE
- CONFIRM IN WRITING AT LEAST 4 MONTHS IN ADVANCE, THE ACTUAL DATE THE DEPARTMENT FURNISHED SIGNS WILL BE REQUIRED.


INDEX

<u>SHEET NO.</u>	<u>DESCRIPTION</u>
SIGN - 1	TITLE SHEET
SIGN - 1A - 1D	ROADWAY STANDARD DRAWINGS
SIGN - 2	KEY SHEET
SIGN - 3	SUPPORT INFORMATION
SIGN - 4 - 10	SIGN DESIGNS, TYPE E AND F SIGNS
SIGN - 11 - 14	SIGNING PLAN SHEETS

PLAN PREPARED BY: NCDOT SIGNING & DELINEATION UNIT

MITCH EATON, PE SIGNING & DELINEATION REGIONAL ENGINEER
MATTHEW TRACEY, PE SIGNING & DELINEATION PROJECT DESIGN ENGINEER

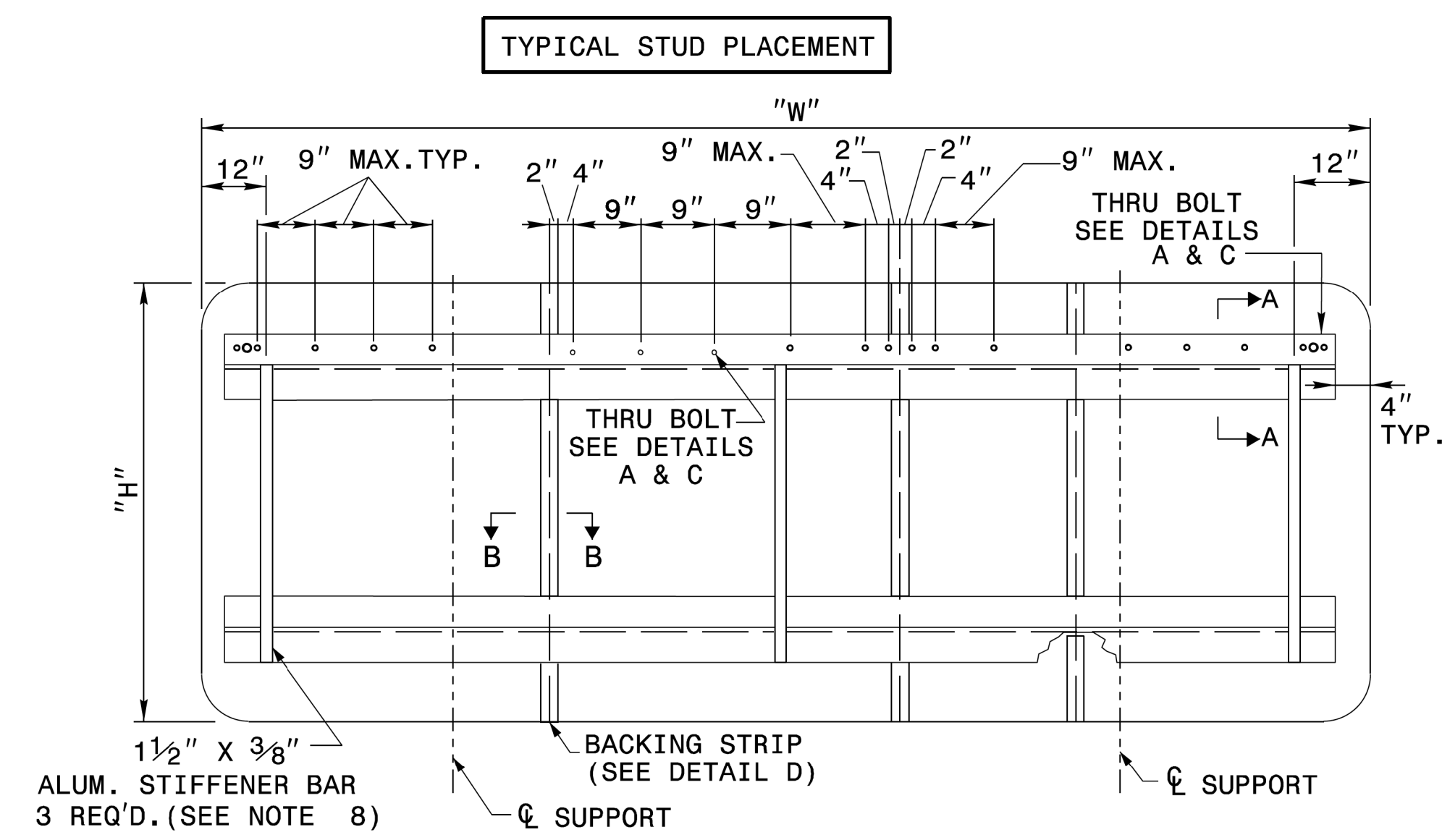


TIP NO. I-5941	SHEET NO. DocuSigned by: SIGN-1A
APPROVED: <i>Matthew V. Springer</i>	DATE: 3/21/2019
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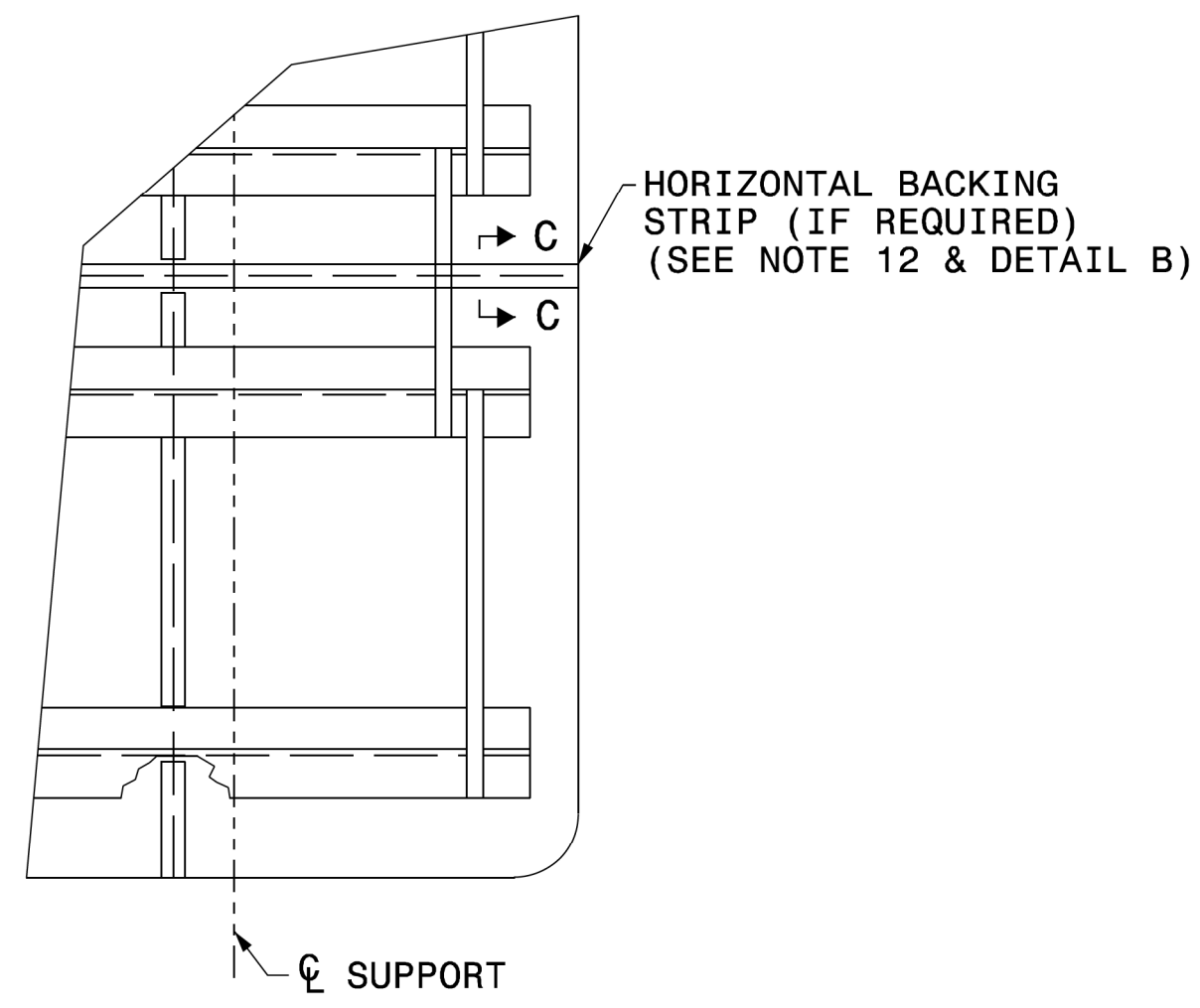
STATE OF NORTH CAROLINA
 DEPT. OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 RALEIGH, N.C.

2-19

ENGLISH DETAIL DRAWING FOR
TYPE 'A' SIGNS
 WELDED STUD CONSTRUCTION



HORIZONTAL BACKING STRIP



NOTES:

1. USE THE NUMBER AND SIZE OF SUPPORTS SHOWN ON THE SUPPORT CHART IN PROJECT PLANS.
2. FABRICATE SIGN PANEL SECTIONS WITH SHEETS 4'-0" WIDE. WHEN FABRICATING SIGNS WHICH ARE NOT MULTIPLES OF 4'-0" IN WIDTH, DO NOT CUT MORE THAN TWO SHEETS TO LESS THAN 4'-0" IN WIDTH. THESE PANELS SHALL NOT BE LESS THAN 1'-0" IN WIDTH.
3. SEE NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES, FOR TYPE OF MATERIAL TO BE USED FOR SIGN PANELS, HANGER ASSEMBLIES, AND SUPPORTS.
4. USE GALVANIZED STEEL FOR BACKING PLATES AND MOUNTING BOLTS.
5. SEE ROADWAY STANDARD 904.20 WHEN TYPE "B" SECONDARY SIGN MOUNTING IS REQUIRED.
6. DETAILS FOR TYPE "A" SECONDARY SIGNS SHALL BE THE SAME AS FOR TYPE "A" SIGNS.
7. THE VERTICAL DIMENSION BETWEEN PRIMARY AND SECONDARY SIGNS IS TWO (2) INCHES.
8. ADJUST STIFFENERS TO AVOID CONFLICT WITH SUPPORTS.
9. SEE ROADWAY STANDARD 901.70 FOR SUPPORT AND "Z" BAR SPACING.
10. FABRICATE SIGNS TALLER THAN 12'-0" AS TWO SEPARATE SIGNS WITH A HORIZONTAL SPLICE. LOCATE STRINGERS ON EACH SECTION OF THE SIGN BY THE SIGN STRINGER CHART. (SEE ROADWAY STANDARD 901.70)
11. FABRICATE SIGNS TALLER THAN 12'-0" BUT SHORTER THAN 14'-6" WITH A HORIZONTAL SPLICE LOCATED 7'-0" FROM BOTTOM OF SIGN.
12. FABRICATE SIGNS 14'-6" TALL AND TALLER WITH A HORIZONTAL SPLICE. LOCATE THE SPLICE AT LEAST HALF OF THE SIGN HEIGHT FROM THE BOTTOM AND AT LEAST 7'-0" FROM THE TOP.
13. THERE SHALL ONLY BE A 1/8" GAP BETWEEN THE VERTICAL BACKING STRIP AND THE "Z" BAR.
14. SEE ROADWAY STANDARD 901.80 FOR DETAILS SHOWING SIGN MOUNTING TO SUPPORTS.
15. PLACE NYLON WASHER UNDER HEAD OF 3/8" THRU BOLTS.
16. FABRICATE EACH SIGN WITH 3/8" DIA. THRU BOLT, 4" FROM EACH END OF EACH "Z" BAR THRU SIGN PANEL AND "Z" BAR. SEE DETAILS A & C.
17. FABRICATE EACH SIGN WITH 3/8" DIA. THRU BOLT CENTERED IN EACH PANEL THRU THE TOP AND BOTTOM "Z" BAR. CENTERED THRU BOLT REQUIRED IN END PANELS GREATER THAN 2'-0" WIDE. SEE DETAILS A & C.
18. THRU BOLTS WILL HAVE A MINIMUM 1/16" TO MAXIMUM 1/8" GAP

STATE OF NORTH CAROLINA
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 RALEIGH, N.C.

2-19

ENGLISH DETAIL DRAWING FOR
TYPE 'A' SIGNS
 WELDED STUD CONSTRUCTION

SHEET 1 OF 2

901D10

REVISED SIGNING
ROADWAY STANDARD DRAWING

03/20/19
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 User:RSTOKES

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APPROVED:	<i>Matthew V. Springer</i>
DATE:	3/21/2019
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STATE OF NORTH CAROLINA
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 DIVISION OF HIGHWAYS
 RALEIGH, N.C.

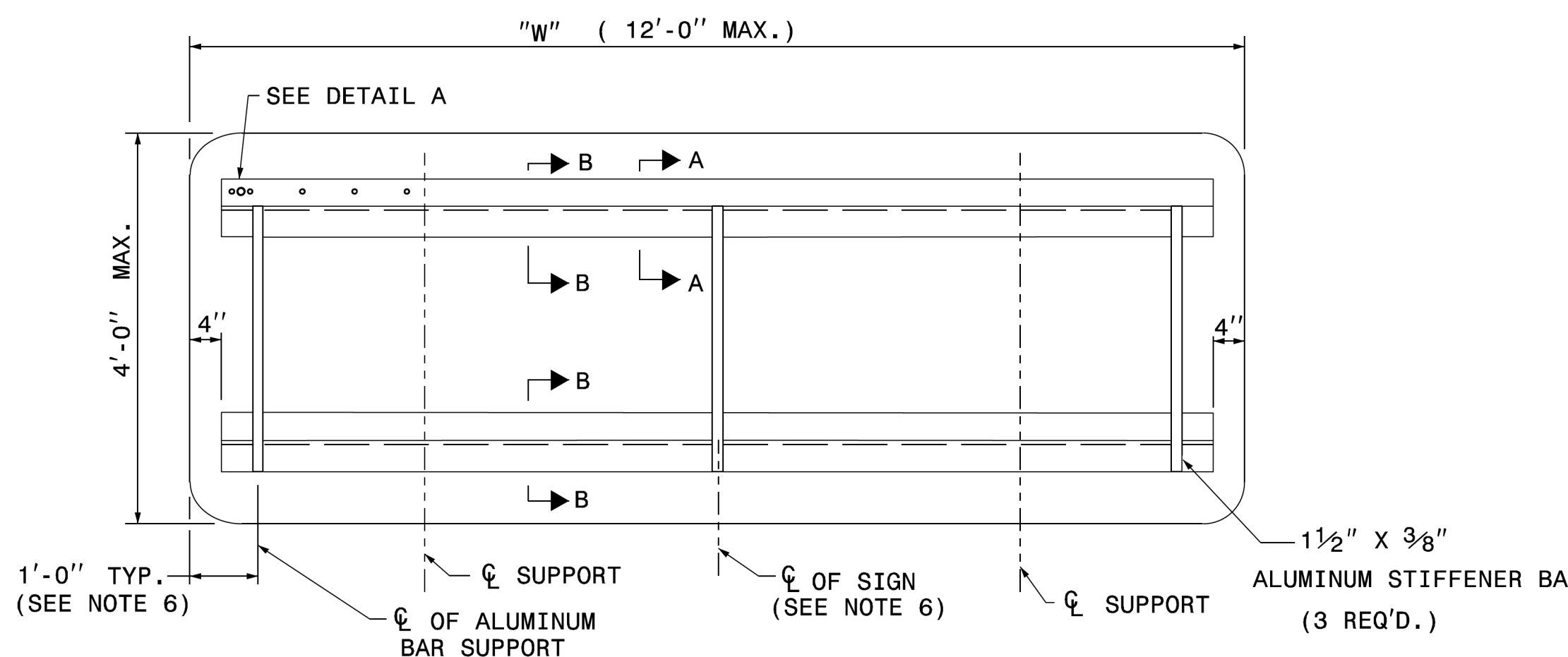
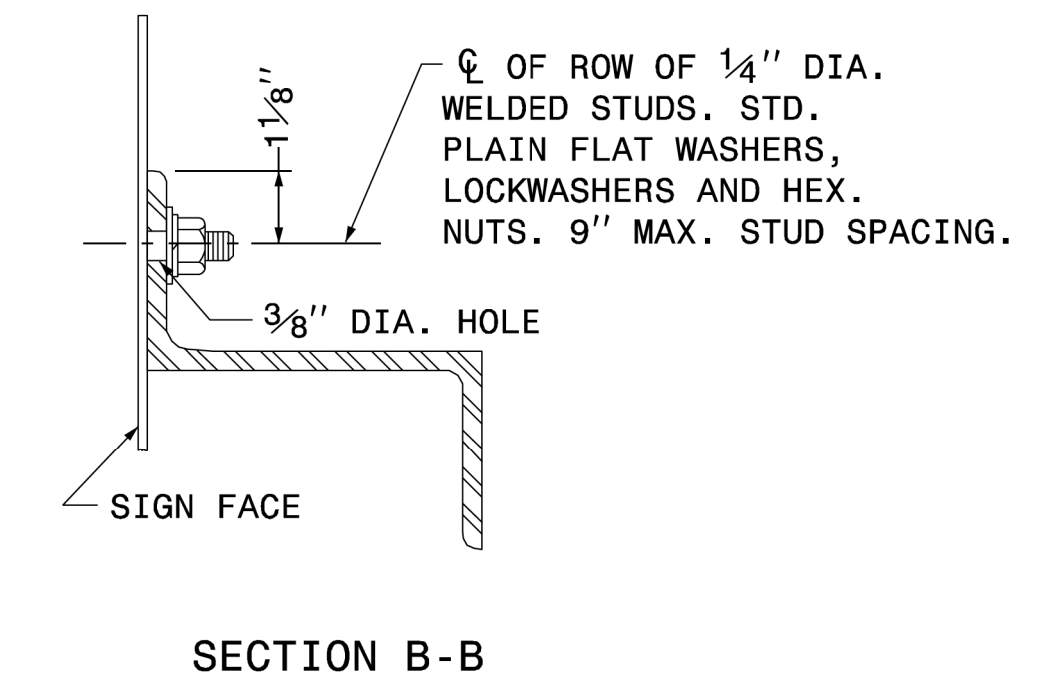
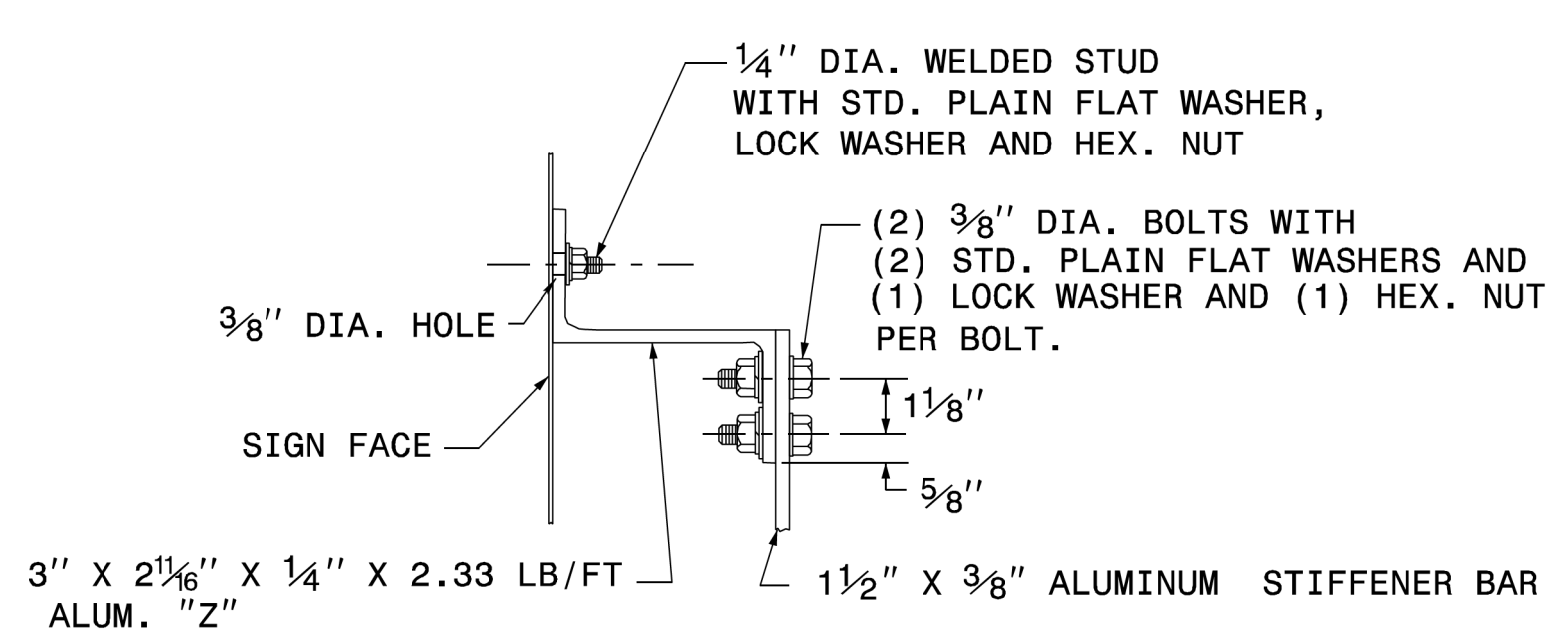
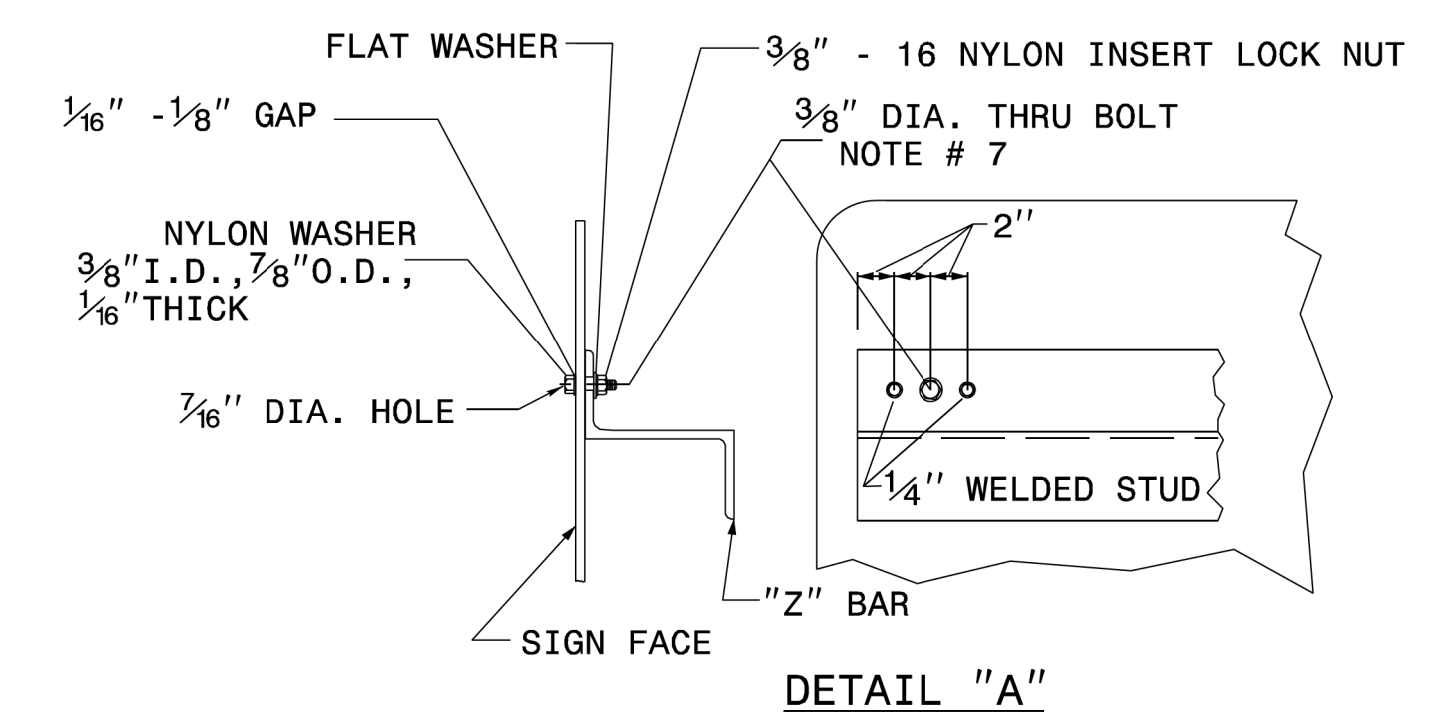
2-19

ENGLISH DETAIL DRAWING FOR
TYPE 'B' SIGNS
 WELDED STUD CONSTRUCTION

STATE OF NORTH CAROLINA
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 RALEIGH, N.C.

2-19

ENGLISH DETAIL DRAWING FOR
TYPE 'B' SIGNS
 WELDED STUD CONSTRUCTION



- NOTES:
- USE NUMBER AND SIZE OF SUPPORTS SHOWN ON SUPPORT CHART IN PROJECT PLAN SHEETS.
 - SEE NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES FOR THE TYPE OF MATERIAL TO BE USED FOR SIGN PANELS, HANGER ASSEMBLIES AND SUPPORTS.
 - FURNISH ALL MOUNTING HARDWARE.
 - USE GALVANIZED STEEL FOR BACKING PLATES AND MOUNTING BOLTS.
 - THE VERTICAL DIMENSION BETWEEN PRIMARY AND SECONDARY SIGNS IS TWO (2) INCHES.
 - ADJUST STIFFENERS TO AVOID CONFLICT WITH SUPPORTS.
 - FABRICATE EACH SIGN WITH A 3/8" DIA. BOLT 4" FROM EACH END OF EACH "Z" BAR THRU SIGN PANEL AND "Z" BAR.
 - SEE ROADWAY STANDARD 901.70 FOR SUPPORT AND "Z" BAR SPACING.
 - SEE ROADWAY STANDARD 901.80 FOR DETAILS SHOWING SIGN MOUNTING TO SUPPORTS.
 - PLACE NYLON WASHER UNDER HEAD OF 3/8" THRU BOLT.
 - THRU BOLTS WILL HAVE A MINIMUM 1/16" TO MAXIMUM 1/8" GAP.

SHEET 1 OF 1
901D20

SHEET 1 OF 1
901D20

**REVISED SIGNING
ROADWAY STANDARD DRAWING**

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2-14-19

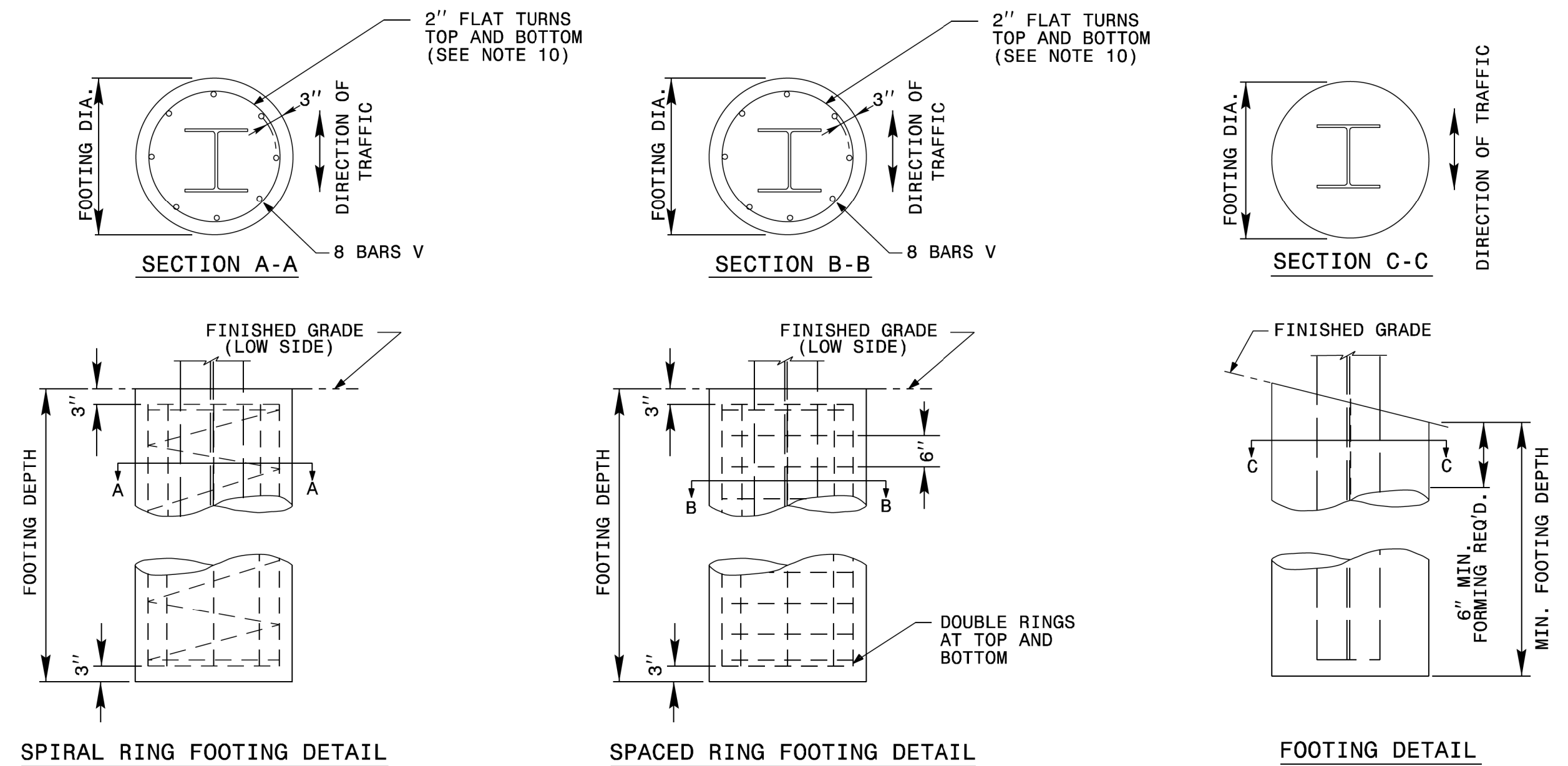
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 APPROVED: *Matthew V. Springer*
 DATE: 5/26/2020
 SEAL
 NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 042546 MATTHEW V. SPRINGER

STATE OF NORTH CAROLINA
 DEPT. OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 RALEIGH, N.C.

ENGLISH DETAIL DRAWING FOR
GROUND MOUNTED SIGN SUPPORTS

SHEET 2 OF 3
903D10

BEAM SHAPE	SLIP BASE PLATE DATA								KEEPER PLATE DATA						HINGE CONNECTION DATA								BREAK AWAY SUPPORT WEIGHT CONSTANT LBS.			
	BOLT SIZE	A ₁	B ₁	C ₁	D ₁	E ₁	T ₁	R ₁	A ₂	B ₂	C ₂	D ₂	E ₂	R ₂	T ₂	BOLT SIZE	F	G	H	I	J	K		L	R ₃	T ₃
S3X5.7	1/2"DIA. X 3/4"	7"	4"	1"	3/4"	2 1/2"	1"	9/32"	7"	4"	1"	3/4"	2 1/2"	9/32"	28 GAUGE	1/2"DIA. X 1 3/4"	2 1/4"	3 1/2"	4"	1/2"	1"	1/2"	2"	9/32"	3/8"	18
S4X7.7	1/2"DIA. X 3/4"	8"	4"	1"	3/4"	2 1/2"	1"	9/32"	8"	4"	1"	3/4"	2 1/2"	9/32"	28 GAUGE	1/2"DIA. X 1 3/4"	2 5/8"	3 1/2"	4"	1/2"	1"	1/2"	2"	9/32"	3/8"	20
W6X9	1/2"DIA. X 3/4"	10"	5"	1"	3/4"	3 1/2"	1"	9/32"	10"	5"	1"	3/4"	3 1/2"	9/32"	28 GAUGE	1/2"DIA. X 1 3/4"	4"	3 1/2"	4"	3/4"	1"	1/2"	2"	9/32"	3/8"	32
W6X12	5/8"DIA. X 4"	11"	5"	1 1/4"	7/8"	3 1/4"	1 1/4"	1 1/32"	11"	5"	1 1/4"	7/8"	3 1/4"	1 1/32"	28 GAUGE	5/8"DIA. X 2"	4"	4"	4 1/2"	3/4"	1 1/8"	5/8"	2 1/4"	1 1/32"	3/8"	39
W6X16	5/8"DIA. X 4 1/2"	12"	6"	1 1/4"	7/8"	4 1/4"	1 1/2"	1 1/32"	12"	6"	1 1/4"	7/8"	4 1/4"	1 1/32"	28 GAUGE	5/8"DIA. X 2 1/4"	4"	4"	4 1/2"	3/4"	1 1/8"	5/8"	2 1/4"	1 1/32"	1/2"	47
W8X18	5/8"DIA. X 4 1/2"	13 1/2"	6 1/2"	1 1/4"	7/8"	4 3/4"	1 1/2"	1 1/32"	13 1/2"	6 1/2"	1 1/4"	7/8"	4 3/4"	1 1/32"	28 GAUGE	5/8"DIA. X 2 1/4"	5 1/4"	4"	4 1/2"	1"	1 1/8"	5/8"	2 1/4"	1 1/32"	1/2"	70
W8X21	3/4"DIA. X 4 1/2"	14"	7"	1 1/2"	1"	5"	1 1/2"	1 3/32"	14"	7"	1 1/2"	1"	5"	1 3/32"	28 GAUGE	3/4"DIA. X 2 1/2"	5 1/4"	6"	7"	1"	1 3/4"	3/4"	3 1/2"	1 3/32"	1/2"	73
W10X22	3/4"DIA. X 4 1/2"	16"	8"	1 1/2"	1"	6"	1 1/2"	1 3/32"	16"	8"	1 1/2"	1"	6"	1 3/32"	28 GAUGE	3/4"DIA. X 2 1/2"	5 3/4"	6"	7"	1"	1 3/4"	3/4"	3 1/2"	1 3/32"	1/2"	119
W10X26	3/4"DIA. X 5 1/2"	16 1/2"	8"	1 1/2"	1"	6"	1 3/4"	1 3/32"	16 1/2"	8"	1 1/2"	1"	6"	1 3/32"	28 GAUGE	3/4"DIA. X 2 3/4"	5 3/4"	6"	7"	1"	1 3/4"	3/4"	3 1/2"	1 3/32"	5/8"	140
W12X26	3/4"DIA. X 5 1/2"	18 1/2"	9"	1 1/2"	1"	7"	1 3/4"	1 3/32"	18 1/2"	9"	1 1/2"	1"	7"	1 3/32"	28 GAUGE	3/4"DIA. X 2 3/4"	6 1/2"	6"	7"	1"	1 3/4"	3/4"	3 1/2"	1 3/32"	5/8"	176
W14X30	1"DIA. X 6"	22"	9"	2"	1 1/2"	6"	2"	1 7/32"	22"	9"	2"	1 1/2"	6"	1 7/32"	28 GAUGE	1"DIA. X 3"	6 3/4"	7"	8"	1 1/4"	2"	1"	4"	1 7/32"	5/8"	205
W16X31	1"DIA. X 6"	24"	9"	2"	1 1/2"	6"	2"	1 7/32"	24"	9"	2"	1 1/2"	6"	1 7/32"	28 GAUGE	1"DIA. X 3"	5 1/2"	7"	8"	1 1/4"	2"	1"	4"	1 7/32"	3/4"	223
W18X35	1"DIA. X 6"	25"	9"	2"	1 1/2"	6"	2"	1 7/32"	25"	9"	2"	1 1/2"	6"	1 7/32"	28 GAUGE	1"DIA. X 3"	6"	7"	8"	1 1/4"	2"	1"	4"	1 7/32"	3/4"	243
W18X40	1"DIA. X 6 1/2"	26"	9"	2"	1 1/2"	6"	2 1/4"	1 7/32"	26"	9"	2"	1 1/2"	6"	1 7/32"	28 GAUGE	1"DIA. X 3 1/2"	6"	7"	8"	1 1/4"	2"	1"	4"	1 7/32"	7/8"	278
W21X44	1"DIA. X 7"	29"	9"	2"	1 1/2"	6"	2 1/2"	1 7/32"	29"	9"	2"	1 1/2"	6"	1 7/32"	28 GAUGE	1"DIA. X 3 1/2"	6 1/2"	7"	8"	1 1/4"	2"	1"	4"	1 7/32"	7/8"	310



FOUNDATION DATA *			
FOOTING DIAMETER	REINFORCEMENT	SPIRAL BAR	SPACED BAR
1'-6"	8 # 6 BARS	#3 BAR, 6" PITCH	#3 BAR, 6" SPACE
2'	8 # 7 BARS	#3 BAR, 6" PITCH	#3 BAR, 6" SPACE
2'-6"	8 # 9 BARS	#3 BAR, 6" PITCH	#3 BAR, 6" SPACE
3'	8 # 11 BARS	#3 BAR, 6" PITCH	#3 BAR, 6" SPACE
3'-6"	8 # 12 BARS	#3 BAR, 6" PITCH	#3 BAR, 6" SPACE
4'	8 # 14 BARS	#3 BAR, 6" PITCH	#3 BAR, 6" SPACE

* FOUNDATION DIMENSIONS ARE SHOWN IN PLANS

STATE OF NORTH CAROLINA
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ENGLISH DETAIL DRAWING FOR
GROUND MOUNTED SIGN SUPPORTS

SHEET 2 OF 3
903D10

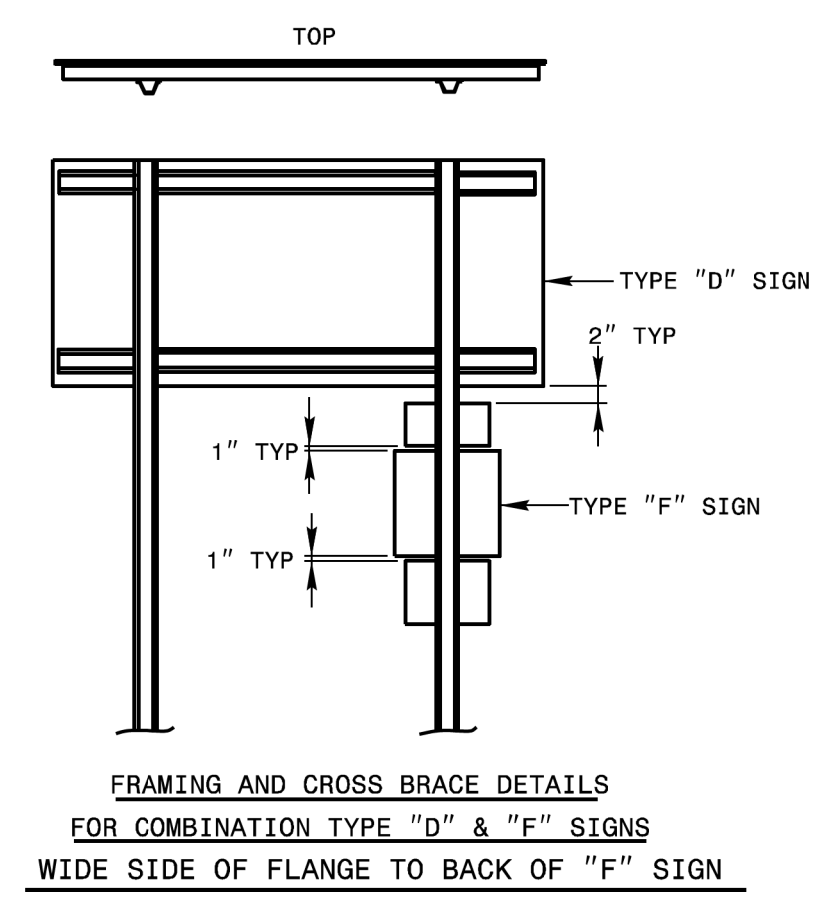
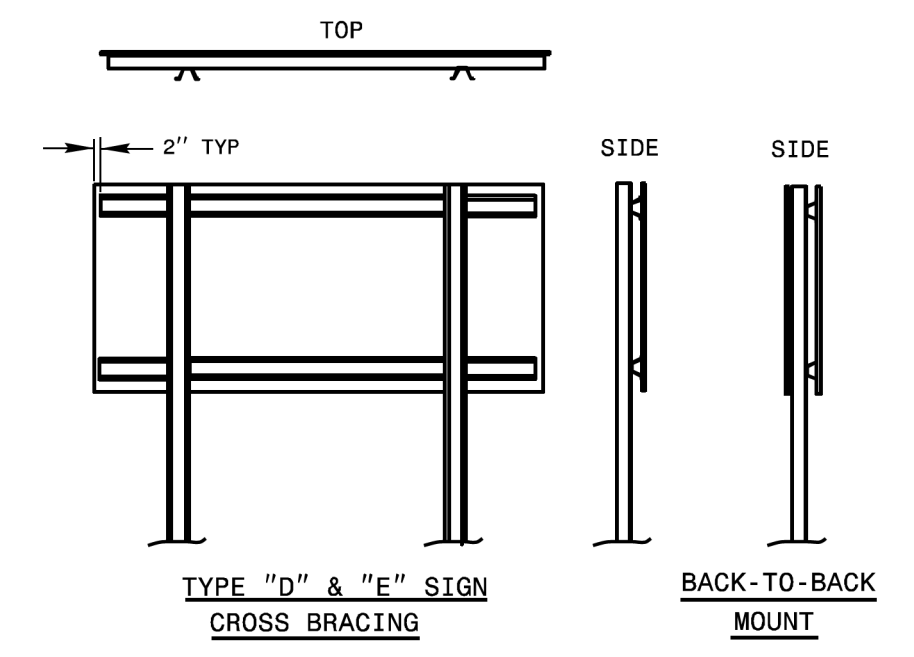
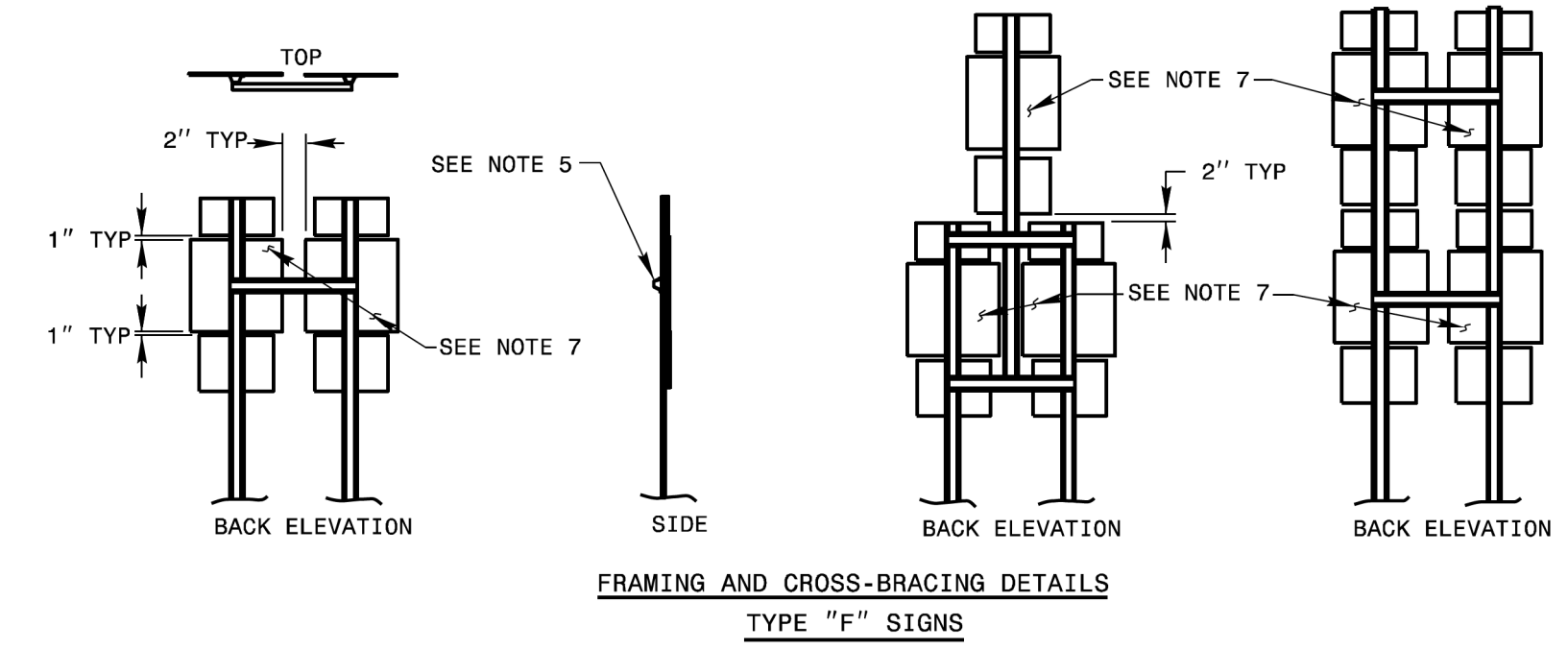
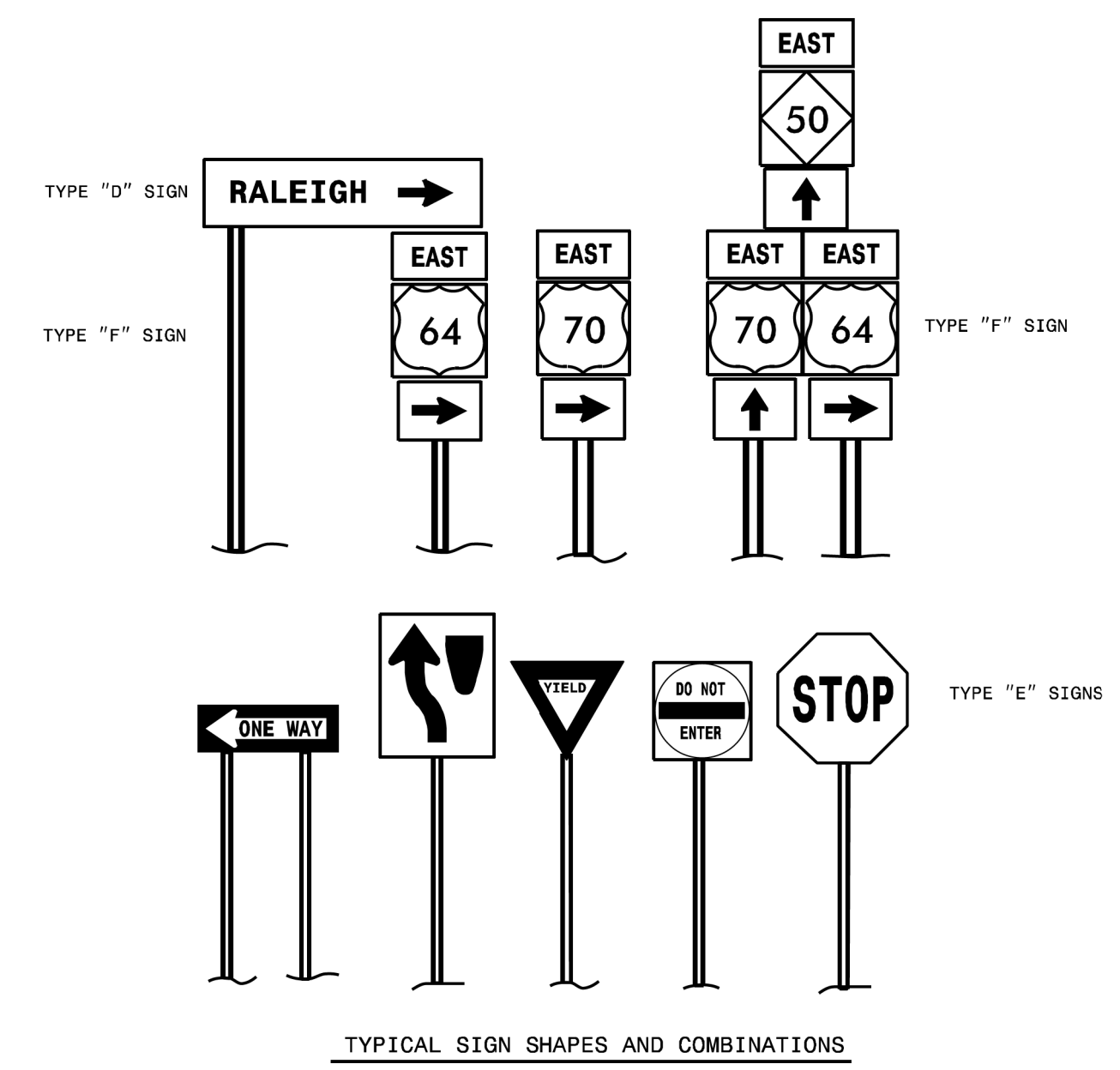
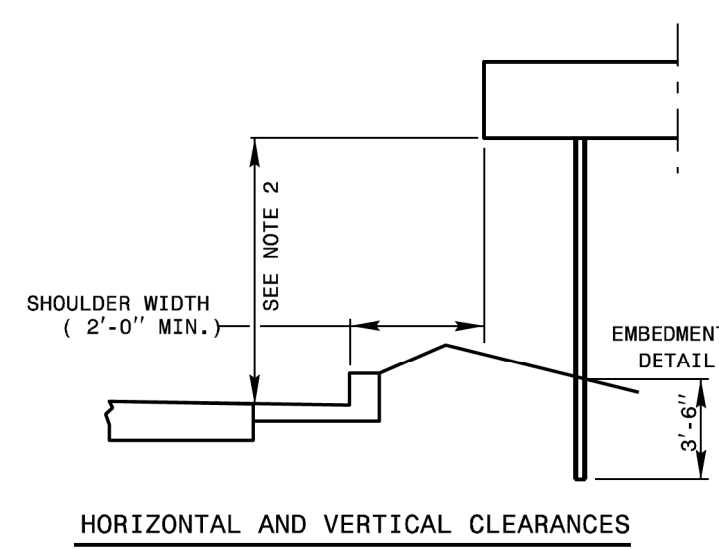
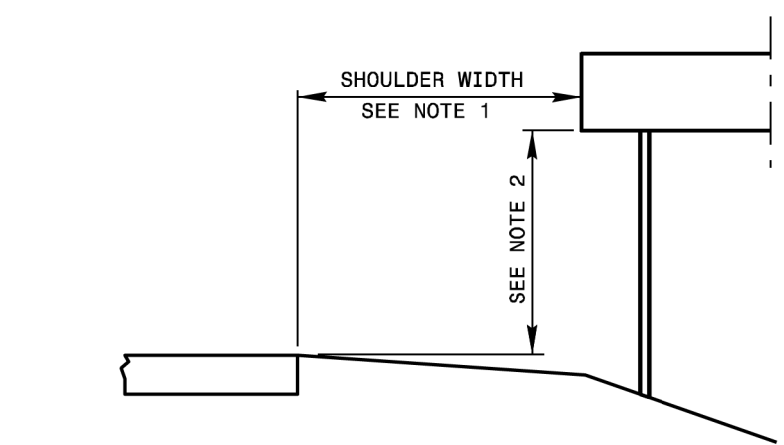
REVISED SIGNING
 ROADWAY STANDARD DRAWING

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 APPROVED: Matthew V. Springer
 DATE: 6/23/2021
 SEAL
 NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 042546 MATTHEW V. SPRINGER

STATE OF NORTH CAROLINA
 DEPT. OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 RALEIGH, N.C.

ENGLISH DETAIL DRAWING FOR
 MOUNTING OF
 TYPE 'D', 'E' AND 'F' SIGNS
 ON 'U' CHANNEL POSTS

SHEET 1 OF 2
 904D50





- NOTES:
- ERECT TYPE "D", "E", AND "F" SIGNS ON FREEWAYS WITH THE NEAR EDGE OF THE SIGN 20 FT. FROM THE TRAVEL LANE. ERECT ALL OTHER "D", "E", AND "F" SIGNS WITH THE NEAR EDGE OF THE SIGN AT THE EDGE OF THE SHOULDER BREAK (6 FT. MINIMUM CLEARANCE, 12 FT. DESIRABLE, FROM THE EDGE OF TRAVEL LANE), OR AS DIMENSIONED ON PLAN SHEETS.
 - ERECT TYPE "D", "E", AND "F" SIGNS WITH THE BOTTOM OF SIGN ASSEMBLY AT LEAST 7 FT. ABOVE THE EDGE OF THE TRAVEL LANE ON ROADS WITH 2 OR MORE LANES IN THE SAME DIRECTION AND AT LEAST 5 FT. ON OTHER ROUTES. THE VERTICAL CLEARANCE IS 7 FT. WHERE REQUIRED FOR PEDESTRIAN TRAFFIC AND/OR PARKED VEHICLES.
 - THE VERTICAL DIMENSION BETWEEN MOUNTING HOLE CENTERS ON ALL TYPES "D", "E", AND "F" SIGNS IS 30" MAXIMUM. THE VERTICAL AND HORIZONTAL DIMENSIONS BETWEEN MOUNTING HOLES IS TO THE WHOLE INCH. EACH SIGN PANEL HAS A MINIMUM OF 2 BOLTS PER SUPPORT.
 - ATTACH SIGN W/ 5/8" HEX HEAD BOLT, NYLON WASHER, SHIM, FLAT WASHER, LOCK WASHER, HEX NUT NO BUCKLING OF THE SIGN WILL BE PERMITTED. SEE ASSEMBLY DETAIL SHEET# 2 OF 904.50.
 - FURNISH AND INSTALL CROSS-BRACING AS SHOWN IN DETAIL. PAINT ENDS OF CROSS BRACES W/ APPROVED. ZINC PAINT
 - INSTALL POST AND CROSS-BRACING WITH THE WIDE SIDE OF THE FLANGE TOWARD THE BACK OF SIGN(S) FOR COMBINATION TYPE "D" AND "F" SIGNS.
 - THE SHIELD HEIGHTS IN THESE ASSEMBLIES CAN NOT BE LARGER THAN 24".
 - IF SIGN ASSEMBLIES REQUIRE MORE THAN TWO U-CHANNEL SUPPORTS, THE SUPPORTS SHALL BE PLACED A MINIMUM OF 4 FT. BETWEEN POSTS. NO MORE THAN TWO POSTS SHALL FALL WITHIN 7 FT. PATH, OR THE SIGN ASSEMBLY MUST BE PLACED BEHIND BARRIER PROTECTION.

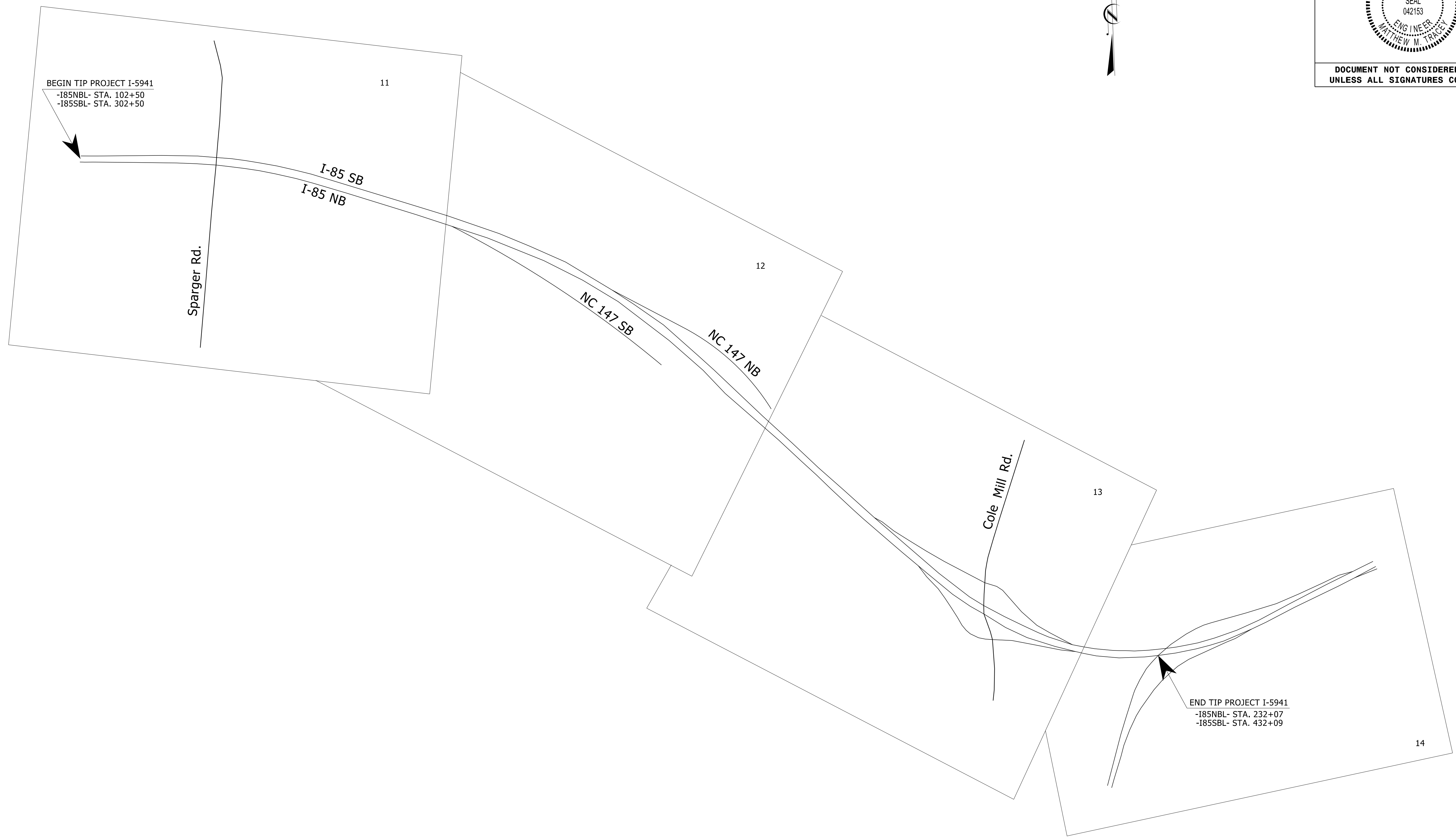
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ENGLISH DETAIL DRAWING FOR
 MOUNTING OF
 TYPE 'D', 'E' AND 'F' SIGNS
 ON 'U' CHANNEL POSTS

SHEET 1 OF 2
 904D50

REVISED SIGNING
 ROADWAY STANDARD DRAWING

TIP NO.	SHEET NO.
I-5941	SIGN-2
APPROVED: 	
DATE: 10/11/2023	
SEAL	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



08/03/23
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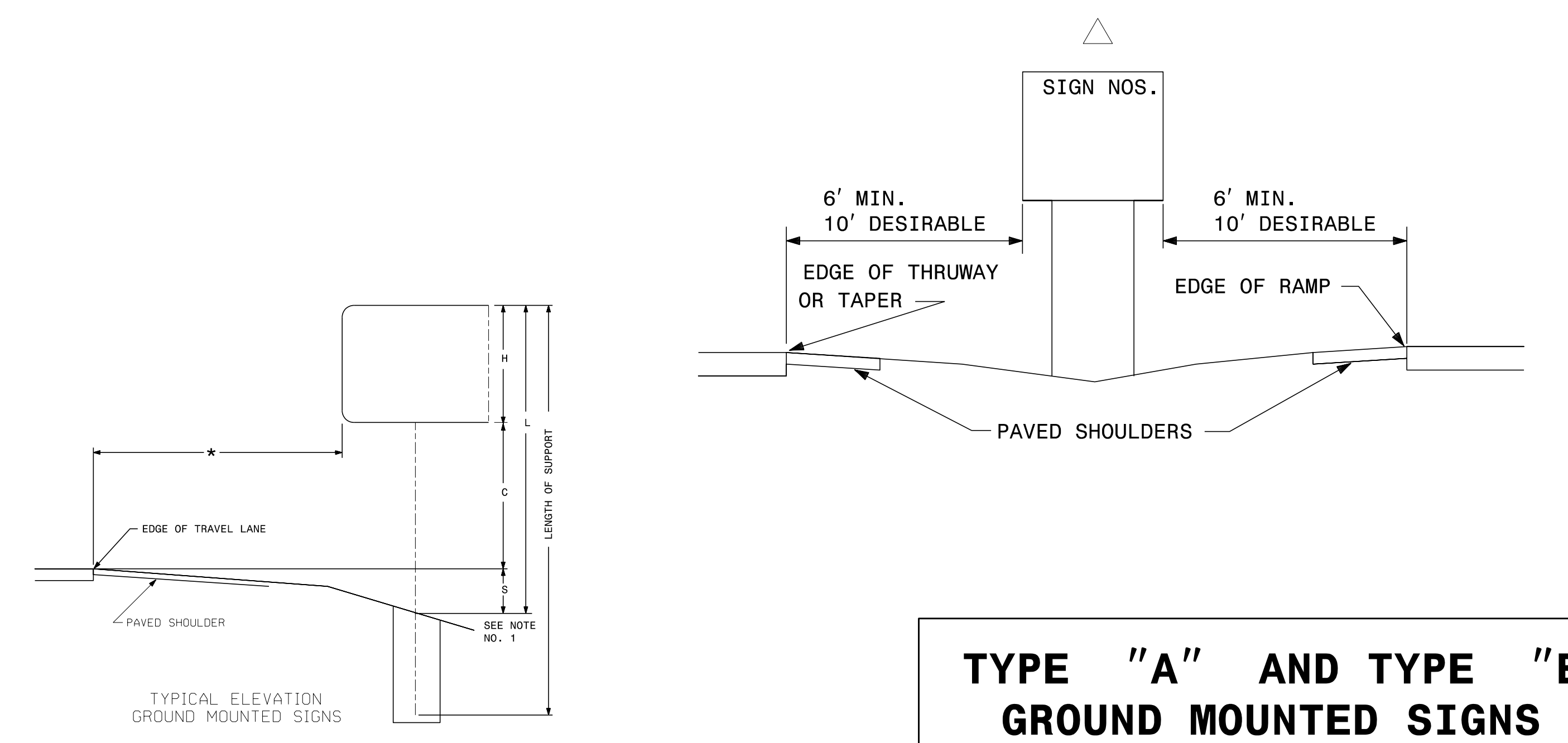
KEY SHEET

NUMBER	TYPE	SIGN SIZE (in.)			ROADWAY STATION	NUMBER OF SUPPORTS	BEAM SECTION	SUPPORT TYPE BA or S	OMNI COUPLER	ATTACHMENT METHOD	MOUNTING METHOD	HORIZONTAL CLEARANCE* (ft.)	SUPPORT SPACING	LENGTH (ft)			LEFT SUPPORT (ft)			CENTER SUPPORT (ft)			RIGHT SUPPORT (ft)			SUPPORT WEIGHTS		FOOTINGS				FIELD VERIFIED SEE NOTE 2 (mm/dd/yy)
		w	x	h										SNS HT	MTG HT	EMBED-MENT	S	L	LENGTH	S	L	LENGTH	S	L	LENGTH	B/A (lbs.)	SIMPLE (lbs.)	DIAMETER (ft.)	DEPTH (ft.)	REINFORCED (c.y.)	PLAIN (c.y.)	
		"H"	"C"																													
101	A	240	x	54		3	S3x5.7	BA	N/A	N/A	N/A	0.00	7.10	4.50	7.00	3.0	0.10	11.60	14.60	0.10	11.60	14.60	0.10	11.60	14.60	303.66	0	1.0	3.5	0.00	0.31	
102	A	222	x	84		3	W6x9	BA	N/A	N/A	N/A	0.00	6.57	7.00	7.00	3.0	0.10	14.10	17.10	0.10	14.10	17.10	0.10	14.10	17.10	557.70	0	1.5	3.5	0.69	0.00	
103	A	174	x	174		2	W6x16	BA	N/A	N/A	N/A	0.00	8.50	14.50	7.00	5.0	0.10	21.60	26.60	0.00	0.00	0.00	0.10	21.60	26.60	945.20	0	1.5	5.5	0.72	0.00	
104	A	132	x	84		2	S4x7.7	BA	N/A	N/A	N/A	0.00	6.45	7.00	7.00	3.5	0.10	14.10	17.60	0.00	0.00	0.00	0.10	14.10	17.60	311.04	0	1.0	4	0.00	0.23	
105	B	108	x	36		2	S3x5.7	BA	N/A	N/A	N/A	0.00	5.27	3.00	7.00	2.0	0.10	10.10	12.10	0.00	0.00	0.00	0.10	10.10	12.10	173.94	0	1.0	2.5	0.00	0.15	
106A	B	96	x	24		2	W6x9	BA	N/A	1-R	N/A	0.00	9.08	5.50	7.00	3.5	0.10	12.60	16.10	0.00	0.00	0.00	0.10	12.60	16.10	353.80	0	1.5	4	0.52	0.00	
106B	A	186	x	66		2	W6x9	BA	N/A	N/A	N/A	0.00	9.08	5.50	7.00	3.5	0.10	12.60	16.10	0.00	0.00	0.00	0.10	12.60	16.10	353.80	0	1.5	4	0.52	0.00	
107	B	144	x	42		2	S3x5.7	BA	N/A	N/A	N/A	0.00	7.03	3.50	7.00	2.5	0.10	10.60	13.10	0.00	0.00	0.00	0.10	10.60	13.10	185.34	0	1.0	3	0.00	0.17	
201	A	90	x	60		2	S3x5.7	BA	N/A	N/A	N/A	Δ	4.40	5.00	7.00	2.5	0.10	12.10	14.60	0.00	0.00	0.00	0.10	12.10	14.60	202.44	0	1.0	3	0.00	0.17	
202	A	90	x	60		2	S3x5.7	BA	N/A	N/A	N/A	Δ	4.40	5.00	7.00	2.5	0.10	12.10	14.60	0.00	0.00	0.00	0.10	12.10	14.60	202.44	0	1.0	3	0.00	0.17	
203	A	90	x	60		2	S3x5.7	BA	N/A	N/A	N/A	Δ	4.40	5.00	7.00	2.5	0.10	12.10	14.60	0.00	0.00	0.00	0.10	12.10	14.60	202.44	0	1.0	3	0.00	0.17	

TOTAL	3438.00	TOTAL	0.00	TOTAL	1.93	TOTAL	1.38
USE:	3439.00		0.00		2.00		2.00

NOTES

- DIMENSION "S" REPRESENTS AN INCREASE (+), OR A DECREASE (-) IN POLE LENGTH, RELATIVE TO THE ELEVATION OF THE EDGE OF TRAVEL LANE.
- FIELD VERIFICATIONS SHALL BE REQUIRED FOR ALL SUPPORTS, SEE (*) ARTICLE 903-3. FABRICATORS SHALL BE AISC CERTIFIED IN CATEGORY 1, SEE (*) ARTICLE 1072-1. (*) = N.C.D.O.T. STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES
- PLAN LOCATIONS FOR EXISTING UTILITIES ARE BASED ON THE BEST AVAILABLE INFORMATION AND, THEREFORE MAY NOT BE PRECISELY ACCURATE. THEREFORE, IT IS INCUMBENT UPON THE CONTRACTOR TO DETERMINE THE EXACT LOCATION OF UTILITIES BEFORE BEGINNING WORK IN A LOCATION.



TYPE "A" AND TYPE "B" GROUND MOUNTED SIGNS

08/03/23 U:\I-5941\I-5941 Support Chart, E and F Signs.dgn User:mmr00001

SIGN NUMBER: 103 TYPE: A QUANTITY: 1
 SIGN WIDTH: 14'-6" HEIGHT: 14'-6" TOTAL AREA: 210.3 Sq.Ft.
 BORDER TYPE: FLUSH RECESS: 0" WIDTH: 2" RADII: 12"
 NO. Z BARS: 5 LENGTH: 166.0
 BACKG COLOR: Green COPY COLOR: White
 SYMBOL X Y WID HT
 M1_4 36.6 86.6 36 36
 M1_4 96.9 86.6 45 36
 MATL: 0.125" (3.2 mm) ALUMINUM
 DESIGN BY: MT CHECKED BY: Feb 08, 2023 DIV: 5
 PROJECT ID: I-5941 LOCATION: DIV: 5

USE NOTES:
 1. Legend and border(except those that are colored black) shall be direct applied Grade C sheeting.
 2. Background shall be Grade C reflective sheeting.
 3. Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum and demountable.

LETTER POSITIONS

Letter spacings are to start of next letter												Series/Size
												Text Length
T	O											E 2000
45.9	8.9	8.4	110.8									17.3
T	O											E 2000
110.8	8.9	8.4	45.9									17.3
S	O	U	T	H								E 2000
29.7	9.7	2.3	10.7	9.8	9.2	8.1	94.5					49.8
S	O	U	T	H								E 2000
94.5	9.7	2.3	10.7	9.8	9.2	8.1	29.7					49.8
C	H	A	P	E	I	H	I	I	I			EM 2000
29	14.5	12.9	14.1	11.7	12.9	2.7	13.3	15.3	8	8	2.7	116
D	U	K	E	U	N	I	V					EM 2000
32.6	14.8	14.1	11.7	8.8	13.3	15.3	14.1	6.5	10.2	32.6		108.8
E	X	I	T									E 2000
47.3	8.9	10.7	3.5	7.5	15	7	14.7	12.2	47.2			79.5

I-5941 Map NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 104 TYPE: A QUANTITY: 1
 SIGN WIDTH: 11'-0" HEIGHT: 7'-0" TOTAL AREA: 77.0 Sq.Ft.
 BORDER TYPE: FLUSH RECESS: 1" WIDTH: 2" RADII: 9"
 NO. Z BARS: 3 LENGTH: 124.0
 BACKG COLOR: Green COPY COLOR: White
 SYMBOL X Y WID HT
 MATL: 0.125" (3.2 mm) ALUMINUM
 DESIGN BY: MT CHECKED BY: Mar 20, 2023 DIV: 5
 PROJECT ID: I-5941 LOCATION: DIV: 5

USE NOTES:
 1. Legend and border(except those that are colored black) shall be direct applied Grade C sheeting.
 2. Background shall be Grade C reflective sheeting.

LETTER POSITIONS

Letter spacings are to start of next letter												Series/Size
												Text Length
H	O	S	P	I	T	A	L					E 2000
29.7	10.8	10.3	10.2	10	3.7	8.2	12	7.4	29.7			72.6
T	R	A	U	M	A	C	E	N	T	E	R	D 2000
6	8.7	8.8	11.5	10.2	10.6	10.2	6	10	8.9	9.4	8.7	120
E	X	I	T									E 2000
26.3	8.9	10.7	3.5	7.5	15	7.1	14.7	12.2	26.3			79.5

I-5941 Map NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 2B TYPE: A QUANTITY: 1
 SIGN WIDTH: 23'-0" HEIGHT: 14'-6" TOTAL AREA: 333.5 Sq.Ft.
 BORDER TYPE: FLUSH RECESS: 0" WIDTH: 2" RADII: 12"
 NO. Z BARS: 5 LENGTH: 288.0
 BACKG COLOR: Green COPY COLOR: White
 SYMBOL X Y WID HT
 M1-5-3-24-7C 82.6 126 36 36
 ARDOWN 119.4 8 32 22
 MATL: 0.125" (3.2 mm) ALUMINUM
 DESIGN BY: MT CHECKED BY: Feb 08, 2023 DIV: 5
 PROJECT ID: I-5941 LOCATION: DIV: 5

USE NOTES:
 1. Legend and border(except those that are colored black) shall be direct applied Grade A sheeting.
 2. Background shall be Grade C reflective sheeting.
 3. Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum and demountable.
 4. Bottom panel shall be yellow Grade C sheeting. Legend shall be direct applied black non-reflective sheeting. Yellow panel is:

LETTER POSITIONS

Letter spacings are to start of next letter												Series/Size
												Text Length
S	O	U	T	H								E 2000
133.6	12.2	2.3	12.8	11.8	11	9.7	82.6					59.8
D	U	R	H	A	M							EM 2000
89.7	17.8	17	11.8	15.5	17	17.6	89.7					96.6
D	O	W	N	T	O	W	N					E 2000
89.3	12.1	11.8	14.8	11.8	10.7	11.8	14.8	9.7	89.3			97.3
R	E	S	E	A	R	C	H	T	R	I	A	EM 2000
6.4	15	12.8	13	13	15	9.7	14	10.6	8	14.5	10.7	263.3
E	X	I	T									EM 2000
64.9	11.2	14	5.4	8.9	171.6							39.5
O	N	L	Y									EM 2000
163.4	13	13.1	9.6	12.1	64.9							47.8

I-5941 Map NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 4 TYPE: A QUANTITY: 1
 SIGN WIDTH: 14'-0" HEIGHT: 9'-6" TOTAL AREA: 133.0 Sq.Ft.
 BORDER TYPE: FLUSH RECESS: 0" WIDTH: 2" RADII: 12"
 NO. Z BARS: 3 LENGTH: 160.0
 BACKG COLOR: Green COPY COLOR: White
 SYMBOL X Y WID HT
 M1_1 29 67.3 36 36
 MATL: 0.125" (3.2 mm) ALUMINUM
 DESIGN BY: MT CHECKED BY: Feb 08, 2023 DIV: 5
 PROJECT ID: I-5941 LOCATION: DIV: 5

USE NOTES:
 1. Legend and border(except those that are colored black) shall be direct applied Grade A sheeting.
 2. Background shall be Grade C reflective sheeting.
 3. Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum and demountable.

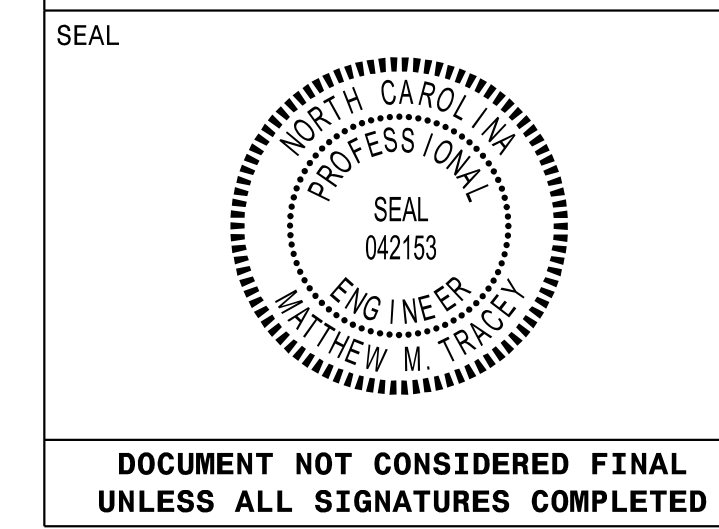
LETTER POSITIONS

Letter spacings are to start of next letter												Series/Size
												Text Length
N	O	R	T	H								E 2000
80	12.1	2.3	12.8	11	11	9.7	29					59.1
D	U	R	H	A	M							EM 2000
35.7	17.8	17	11.8	15.5	17	17.6	35.7					96.6
P	E	T	E	R	S	B	U	R	G			EM 2000
16.1	15.4	13.9	12	15.5	10.1	15.5	15.5	17	10.4	10.6	16.1	135.8

I-5941 Map NORTH CAROLINA D.O.T. SIGN DETAIL

08/03/23 U:\I-5941\I-5941 Map.dgn User:mmr0001

APPROVED: *Matthew Tracy*
 DATE: 10/11/2023



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SIGN NUMBER: 106B BACKG COLOR: Green
 TYPE: A COPY COLOR: White
 QUANTITY: 1

SYMBOL	X	Y	WID	HT

SIGN WIDTH: 15'-6"
 HEIGHT: 5'-6"
 TOTAL AREA: 85.3 Sq.Ft.

BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 2"
 RADII: 9"

NO. Z BARS: 2
 LENGTH: 178.0

MATL: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: MT CHECKED BY: Feb 16, 2023
 PROJECT ID: I-5941 LOCATION: DIV: 5

USE NOTES:
 1. Legend and border(except those that are colored black) shall be direct applied Grade C sheeting.
 2. Background shall be Grade C reflective sheeting.

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter														Series/Size Text Length	
C	o	l	e	M	i	l	l	R	d						EM 2000 151.7
17.2	16	15.8	8.2	10.6	16	20.3	9.6	9.6	3.2	16	15.8	10.6	17.2		E 2000 52.6
1				M	I	L	E								
66.7	4.5	15	12	4.4	9.2	7.5	66.7								

I-5941 Map NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 201 BACKG COLOR: Green
 TYPE: A COPY COLOR: White
 QUANTITY: 1

SYMBOL	X	Y	WID	HT
AR_Type A	61	6	18.6	29.2

SIGN WIDTH: 7'-6"
 HEIGHT: 5'-0"
 TOTAL AREA: 37.5 Sq.Ft.

BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 1.5"
 RADII: 6"

NO. Z BARS: 2
 LENGTH: 82.0

MATL: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: MT CHECKED BY: Feb 08, 2023
 PROJECT ID: I-5941 LOCATION: DIV: 5

USE NOTES:
 1. Legend and border(except those that are colored black) shall be direct applied Grade C sheeting.
 2. Background shall be Grade C reflective sheeting.
 3. Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum and demountable.

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter										Series/Size Text Length
E	X	I	T							E 2000 36.7
26.6	10.7	12.8	4.2	9	26.6					E 2000 40.7
1	7	2								
8.5	8.5	17.6	14.6	40.8						

I-5941 Map NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 3B BACKG COLOR: Green
 TYPE: A COPY COLOR: White
 QUANTITY: 1

SYMBOL	X	Y	WID	HT
M1-5-3-24-7C	106.6	118	36	36
AR_Type A	145.4	6.6	20	31.5

SIGN WIDTH: 27'-0"
 HEIGHT: 13'-6"
 TOTAL AREA: 364.5 Sq.Ft.

BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 2"
 RADII: 12"

NO. Z BARS: 4
 LENGTH: 316.0

MATL: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: MT CHECKED BY: Feb 08, 2023
 PROJECT ID: I-5419 LOCATION: DIV: 5

USE NOTES:
 1. Legend and border(except those that are colored black) shall be direct applied Grade A sheeting.
 2. Background shall be Grade C reflective sheeting.
 3. Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum and demountable.
 4. Bottom panel shall be yellow Grade C sheeting. Legend shall be direct applied black non-reflective sheeting. Yellow panel is:

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter														Series/Size Text Length											
S	O	U	T	H											E 2000 59.8										
157.6	12.2	2.3	12.8	11.8	11	9.7	106.6								EM 2000 96.6										
D	u	r	h	a	m										E 2000 97.3										
113.7	17.8	17	11.8	15.5	17	17.6	113.7								EM 2000 297.8										
D	O	W	N	T	O	W	N								E 2000 39.5										
113.3	12.1	11.8	14.8	11.8	10.7	11.8	14.8	9.7	113.3						E 2000 47.9										
R	e	s	e	a	r	c	h	T	r	i	a	n	g	l	e	P	a	r	k						
13.1	15.8	13.8	14.1	14.1	17	10.4	15.5	10.6	14	15.7	11.8	8.2	17	15.5	17	8.2	10.6	14	15.4	17	11.8	10.6	13.1		
E	X	I	T																						
93.9	11.4	13.9	5.1	9	190.6																				
O	N	L	Y																						
182.2	12.8	12.8	10	12.2	93.9																				

I-5941 Map NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 106A BACKG COLOR: Green
 TYPE: B COPY COLOR: White
 QUANTITY: 1

SYMBOL	X	Y	WID	HT

SIGN WIDTH: 8'-0"
 HEIGHT: 2'-0"
 TOTAL AREA: 16.0 Sq.Ft.

BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 2"
 RADII: 3"

NO. Z BARS: 2
 LENGTH: 88.0

MATL: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: MT CHECKED BY: Feb 16, 2023
 PROJECT ID: I-5941 LOCATION: DIV: 5

USE NOTES:
 1. Legend and border(except those that are colored black) shall be direct applied Grade C sheeting.
 2. Background shall be Grade C reflective sheeting.

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter													Series/Size Text Length
E	X	I	T	1	7	3							E 2000 79.5
8.3	8.9	10.7	3.5	7.5	15	7.1	14.7	12.1	8.3				

I-5941 Map NORTH CAROLINA D.O.T. SIGN DETAIL

08/03/23
 U:\I-5941\I-5941 Map.dgn
 User:mmr0001

SIGN DESIGNS

APPROVED: *Matthew Tracy*
DocuSigned by:
83820E1856974D8

DATE: 10/11/2023

SEAL



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UNLESS ALL SIGNATURES COMPLETED

SIGN NUMBER: 6A BACKG COLOR: Green
TYPE: B COPY COLOR: White
QUANTITY: 1

SYMBOL	X	Y	WID	HT

SIGN WIDTH: 8'-0"
HEIGHT: 2'-0"
TOTAL AREA: 16.0 Sq.Ft.

BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADIUS: 3"

NO. Z BARS: 2 MATL: 0.125" (3.2 mm) ALUMINUM
LENGTH: 88.0

DESIGN BY: MT CHECKED BY: Feb 20, 2023
PROJECT ID: I-5941 LOCATION: DIV: 5

USE NOTES:
1. Legend and border(except those that are colored black) shall be direct applied Grade A sheeting.
2. Background shall be Grade C reflective sheeting.

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter											Series/Size Text Length
E	X	I	T	1	7	4					E 2000
7.5	8.9	10.7	3.5	7.5	15	7.1	14.3	14.1	7.5		81

I-5941 Map NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 5A, 7A BACKG COLOR: Green
TYPE: B COPY COLOR: White
QUANTITY: 2

SYMBOL	X	Y	WID	HT

SIGN WIDTH: 8'-0"
HEIGHT: 2'-0"
TOTAL AREA: 16.0 Sq.Ft.

BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADIUS: 3"

NO. Z BARS: 2 MATL: 0.125" (3.2 mm) ALUMINUM
LENGTH: 88.0

DESIGN BY: MT CHECKED BY: Feb 16, 2023
PROJECT ID: I-5941 LOCATION: DIV: 5

USE NOTES:
1. Legend and border(except those that are colored black) shall be direct applied Grade A sheeting.
2. Background shall be Grade C reflective sheeting.

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter											Series/Size Text Length
E	X	I	T	1	7	3					E 2000
8.3	8.9	10.7	3.5	7.5	15	7.1	14.7	12.1	8.3		79.5

I-5941 Map NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 107 BACKG COLOR: Green
TYPE: B COPY COLOR: White
QUANTITY: 1

SYMBOL	X	Y	WID	HT

SIGN WIDTH: 12'-0"
HEIGHT: 3'-6"
TOTAL AREA: 42.0 Sq.Ft.

BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 1"
RADIUS: 3"

NO. Z BARS: 2 MATL: 0.125" (3.2 mm) ALUMINUM
LENGTH: 136.0

DESIGN BY: MT CHECKED BY: Feb 16, 2023
PROJECT ID: I-5941 LOCATION: DIV: 5

USE NOTES:
1. Legend and border(except those that are colored black) shall be direct applied Grade C sheeting.
2. Background shall be Grade C reflective sheeting.

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter																Series/Size Text Length							
D	r	J	o	h	n	H	o	p	e	F	r	a	n	k	l	i	n	D 2000					
12.1	7	3	8	6.6	6.2	6.2	4.7	8	6.9	6.2	5.8	4.7	8	6	3.6	6.1	6.2	6.1	2.9	2.9	4.7	12.1	119.8
H	i	g	h	w	a	y																	D 2000
50.6	7.2	2.6	6.4	5.6	9.6	5.4	6	50.6															42.8

I-5941 Map NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 6B BACKG COLOR: Green
TYPE: A COPY COLOR: White
QUANTITY: 1

SYMBOL	X	Y	WID	HT

SIGN WIDTH: 17'-0"
HEIGHT: 5'-6"
TOTAL AREA: 93.5 Sq.Ft.

BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADIUS: 9"

NO. Z BARS: 2 MATL: 0.125" (3.2 mm) ALUMINUM
LENGTH: 196.0

DESIGN BY: MT CHECKED BY: Feb 20, 2023
PROJECT ID: I-5941 LOCATION: DIV: 5

USE NOTES:
1. Legend and border(except those that are colored black) shall be direct applied Grade A sheeting.
2. Background shall be Grade C reflective sheeting.

Spacing Factor is 1 unless specified otherwise

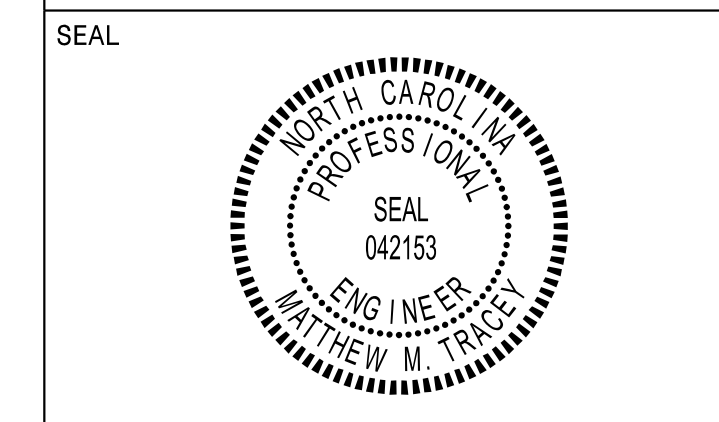
LETTER POSITIONS

Letter spacings are to start of next letter																Series/Size Text Length
H	i	l	l	a	n	d	a	l	e	R	d					EM 2000
16.1	18.4	9.6	9.6	8.2	17	15.5	15.5	17	8.2	10.6	16	15.8	10.6	16.1		171.8
1	M	I	L	E												E 2000
75.7	4.5	15	12	4.4	9.2	7.5	75.7									52.6

I-5941 Map NORTH CAROLINA D.O.T. SIGN DETAIL

APPROVED: *Matthew Tracey*
E3020E1609974D0E

DATE: 10/11/2023



DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

SIGN NUMBER: 8 TYPE: A BACKG COLOR: Green COPY COLOR: White
 QUANTITY: 1
 SIGN WIDTH: 14'-6" HEIGHT: 9'-6"
 TOTAL AREA: 137.8 Sq.Ft.
 BORDER TYPE: FLUSH RECESS: 0" WIDTH: 2" RADIUS: 12"
 NO. Z BARS: 3 LENGTH: 166.0
 MATL: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: MT CHECKED BY: Feb 21, 2023
 PROJECT ID: I-5941 LOCATION: DIV: 5

USE NOTES:
 1. Legend and border(except those that are colored black) shall be direct applied Grade A sheeting.
 2. Background shall be Grade C reflective sheeting.
 3. Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum and demountable.

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

Series/Size	Text Length
E 2000	59.8
E 2000	48.9
EM 2000	134.7
EM 2000	139.7

I-5941 Map NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 202, 203 TYPE: A BACKG COLOR: Green COPY COLOR: White
 QUANTITY: 2
 SIGN WIDTH: 7'-6" HEIGHT: 5'-0"
 TOTAL AREA: 37.5 Sq.Ft.
 BORDER TYPE: FLUSH RECESS: 0" WIDTH: 1.5" RADIUS: 6"
 NO. Z BARS: 2 LENGTH: 82.0
 MATL: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: MT CHECKED BY: Feb 20, 2023
 PROJECT ID: I-5941 LOCATION: DIV: 5

USE NOTES:
 1. Legend and border(except those that are colored black) shall be direct applied Grade A sheeting.
 2. Background shall be Grade C reflective sheeting.
 3. Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum and demountable.

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

Series/Size	Text Length
E 2000	36.7
E 2000	40.7

I-5941 Map NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 7B TYPE: A BACKG COLOR: Green COPY COLOR: White
 QUANTITY: 1
 SIGN WIDTH: 19'-0" HEIGHT: 6'-6"
 TOTAL AREA: 123.5 Sq.Ft.
 BORDER TYPE: FLUSH RECESS: 0" WIDTH: 2" RADIUS: 9"
 NO. Z BARS: 2 LENGTH: 220.0
 MATL: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: MT CHECKED BY: Feb 21, 2023
 PROJECT ID: I-5941 LOCATION: DIV: 5

USE NOTES:
 1. Legend and border(except those that are colored black) shall be direct applied Grade A sheeting.
 2. Background shall be Grade C reflective sheeting.
 3. Bottom panel shall be yellow Grade C sheeting. Legend shall be direct applied black non-reflective sheeting. Yellow panel is:

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

Series/Size	Text Length
EM 2000	151.7
E 2000	36.7
E 2000	47.9

I-5941 Map NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 5B TYPE: A BACKG COLOR: Green COPY COLOR: White
 QUANTITY: 1
 SIGN WIDTH: 19'-0" HEIGHT: 3'-6"
 TOTAL AREA: 66.5 Sq.Ft.
 BORDER TYPE: FLUSH RECESS: 0" WIDTH: 2" RADIUS: 3"
 NO. Z BARS: 2 LENGTH: 220.0
 MATL: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: MT CHECKED BY: Feb 20, 2023
 PROJECT ID: I-5941 LOCATION: DIV: 5

USE NOTES:
 1. Legend and border(except those that are colored black) shall be direct applied Grade A sheeting.
 2. Background shall be Grade C reflective sheeting.
 3. Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum and demountable.

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

Series/Size	Text Length
EM 2000	151.7

I-5941 Map NORTH CAROLINA D.O.T. SIGN DETAIL

APPROVED: *Matthew Tracey*
DocuSigned by: Matthew Tracey
 b3820e185974d8
 DATE: 10/11/2023



DOCUMENT NOT CONSIDERED FINAL
 UNLESS ALL SIGNATURES COMPLETED

SIGN NUMBER: 105	BACKG COLOR: Green	DESIGN BY: MT	CHECKED BY:	Feb 21, 2023
TYPE: B	COPY COLOR: White	PROJECT ID: I-5941	LOCATION:	DIV: 5
QUANTITY: 1				
SIGN WIDTH: 9'-0"				
HEIGHT: 3'-0"				
TOTAL AREA: 27.0 Sq.Ft.				
BORDER TYPE: FLUSH				
RECESS: 0"				
WIDTH: 1"				
RADIUS: 3"				
NO. Z BARS: 2	MATL: 0.125" (3.2 mm) ALUMINUM			
LENGTH: 100.0				

USE NOTES:

- Legend and border(except those that are colored black) shall be direct applied Grade C sheeting.
- Background shall be Grade C reflective sheeting.

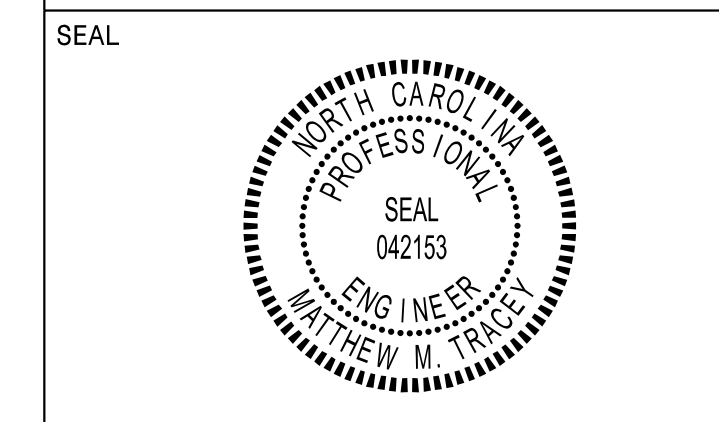
Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter													Series/Size
													Text Length
B	u	r	l	i	n	g	t	o	n				D 2000
16.8	6.6	6.3	4	2.9	2.9	5.9	5.7	3.8	6.2	4.7	42.3		48.9
2	9												D 2000
78.7	7	5.4	16.8										12.5
G	r	e	e	n	s	b	o	r	o				D 2000
16.8	7	3.7	5.5	5.8	4.8	5.8	6.2	3.7	4.9	38			53.1
4	9												D 2000
78	7.8	5.4	16.8										13.2

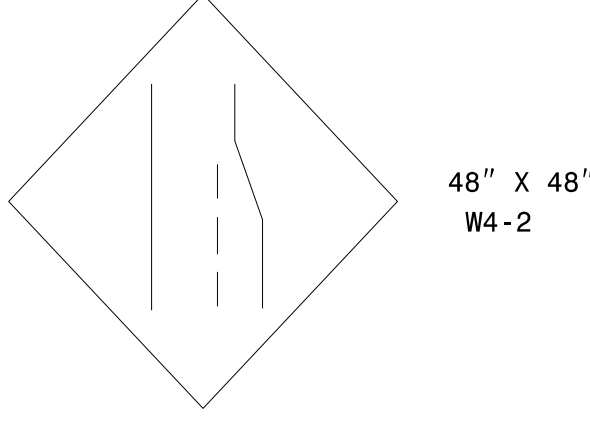
I-5941 Map NORTH CAROLINA D.O.T. SIGN DETAIL

APPROVED: *Matthew Tracy*
DocuSigned by: Matthew Tracy
 B3820E1858974D8
 DATE: 10/11/2023



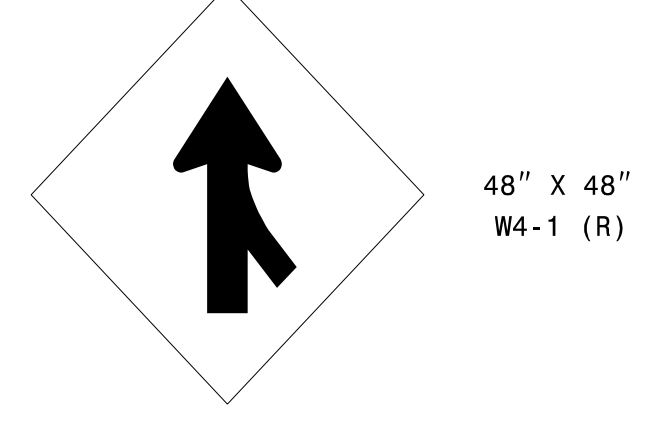
**DOCUMENT NOT CONSIDERED FINAL
 UNLESS ALL SIGNATURES COMPLETED**

401 QUANTITY REQ'D 6



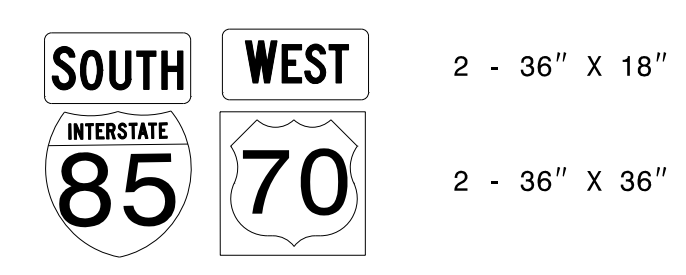
TWO "U" POSTS PER SIGN

406 QUANTITY REQ'D 2



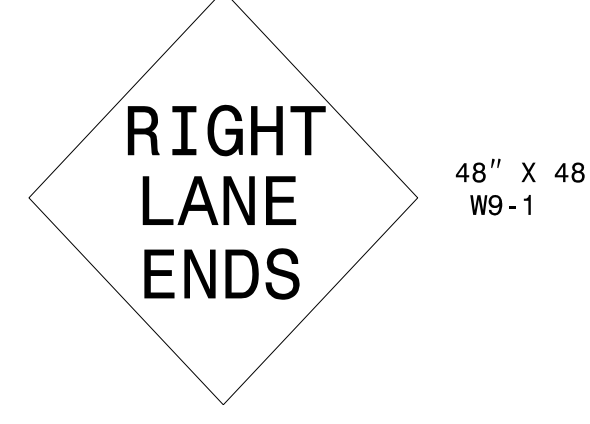
TWO "U" POSTS PER SIGN

501 502



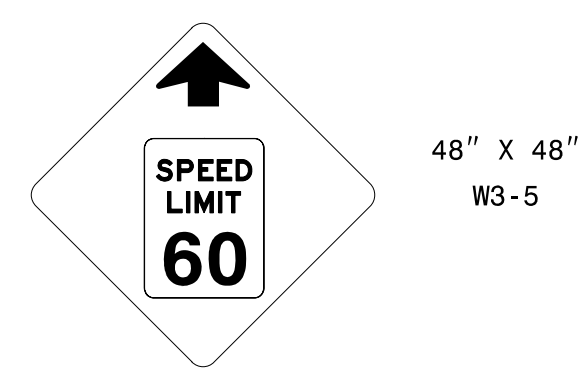
TWO "U" POSTS PER ASSEMBLY

402 QUANTITY REQ'D 4



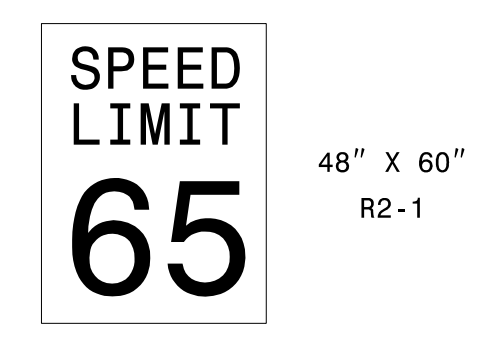
TWO "U" POSTS PER SIGN

403 QUANTITY REQ'D 2



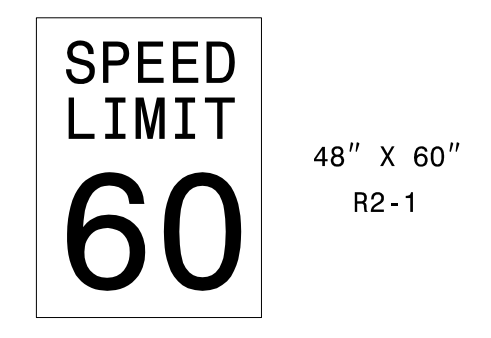
TWO "U" POSTS PER SIGN

404 QUANTITY REQ'D 3



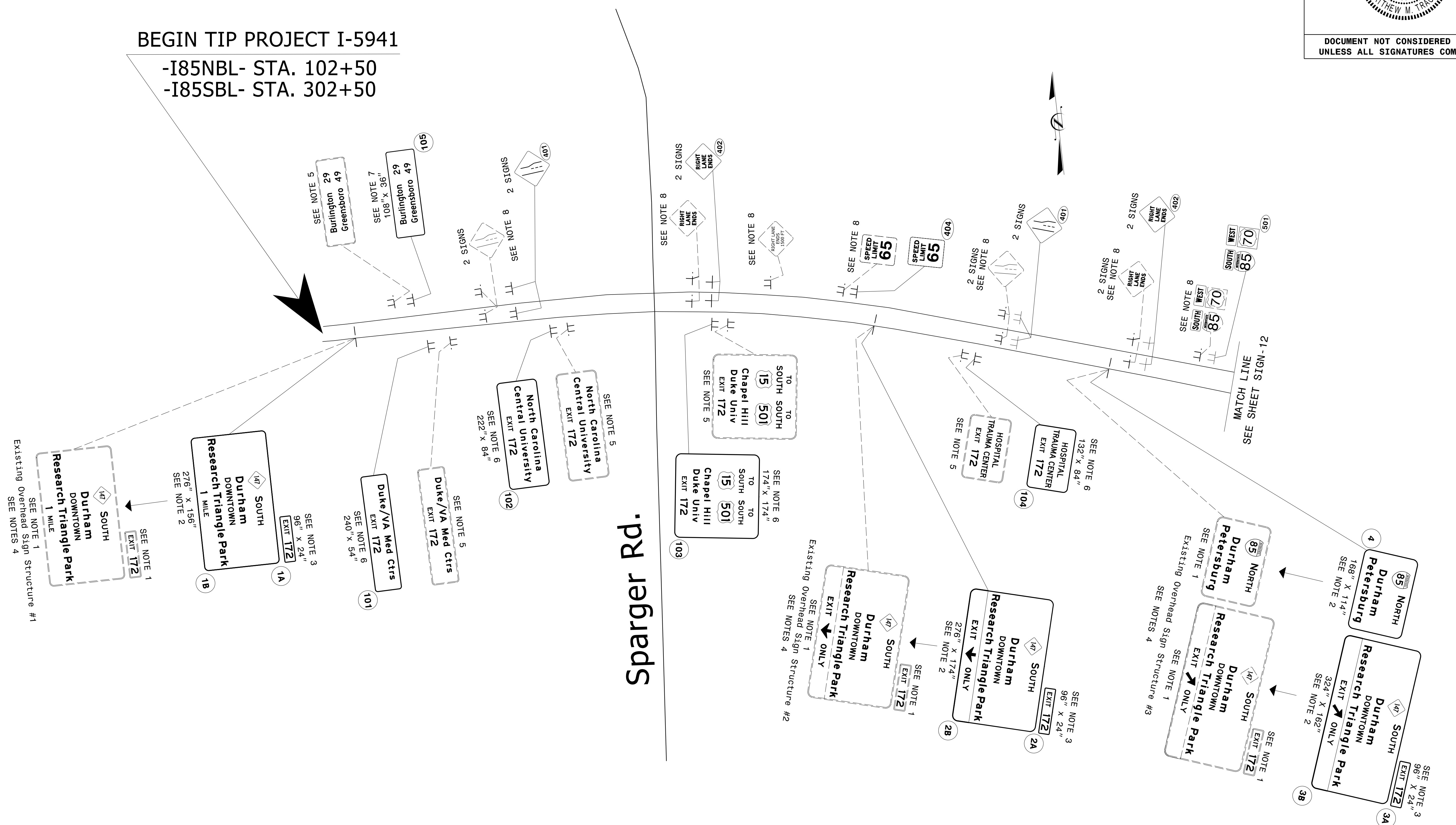
TWO "U" POSTS PER SIGN

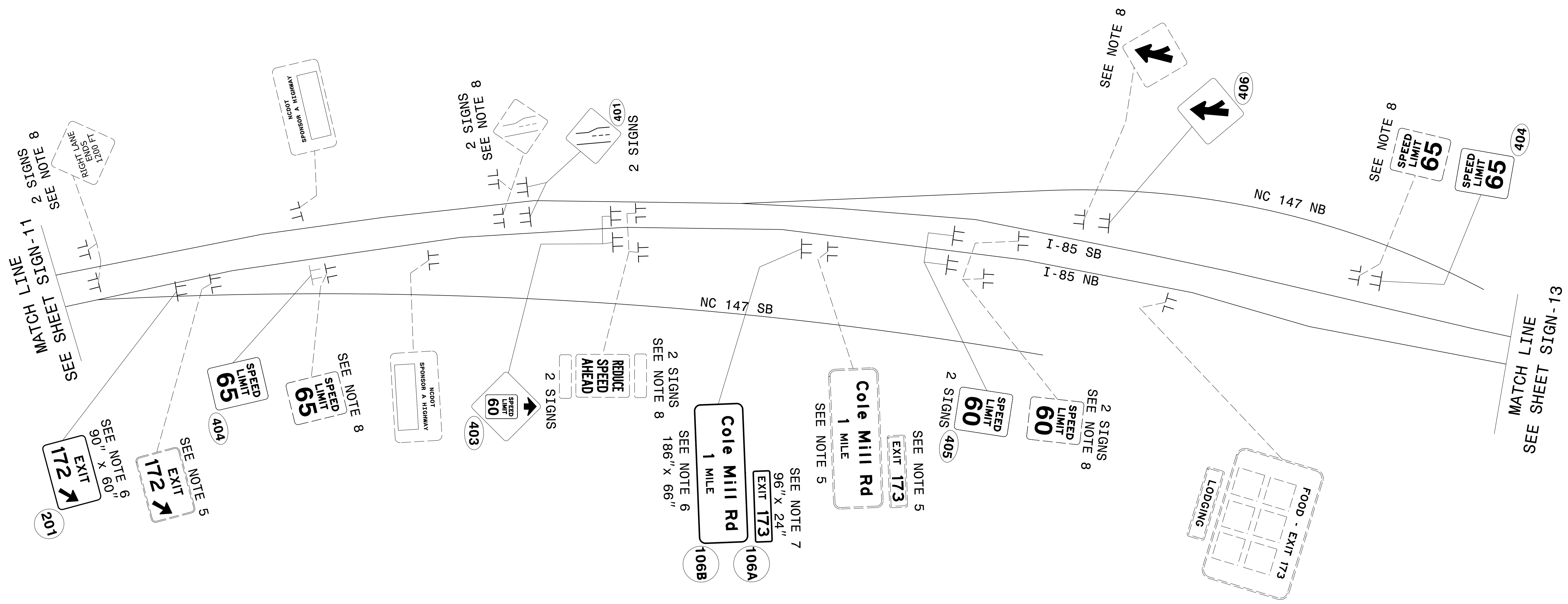
405 QUANTITY REQ'D 2



TWO "U" POSTS PER SIGN

TYPE "E" AND "F" SIGNS





**EXISTING AND PROPOSED SIGNS
I-85**

